

Draytek als transparant modem instellen (bridge)

v230120MT

Koldingweg 19-1
9723 HL Groningen

Postbus 5236
9700 GE Groningen

T (050) 820 00 00
F (050) 820 00 08
E aanvraag@callvoip.nl
W www.callvoip.nl

In deze handleiding lees en zie je hoe je een Draytek Bridged instelt met als basis een **VDSL** verbinding.

Door de Draytek modem-router te bridgen zorg je dat het modem zo wordt ingesteld dat het publieke IP-adres van de CallvoipDSL verbinding wordt doorgestuurd naar een router / firewall die achter de Draytek staat. Deze wordt daardoor direct met internet verbonden. Het bridgen van een Draytek modem-router is handig als er bv achter de draytek een andere Router / Firewall of VPN server gebruikt wordt waardoor de router van de draytek niet meer nodig is. Een Draytek die gebridged is (transparant) zal geen NAT toepassen en geen NAT gerelateerde functies uitvoeren, zoals IP Filter, Firewall, VPN, Port Redirect, DMZ, Open Port en UPnP.

Op de volgende pagina's vind je achtereenvolgens:

1. **hoe je een Draytek v130 modem-router bridged (transparant) instelt**
> let op: na configuratie kun je hem niet meer benaderen omdat hij transparant is. Wil je dat wel, reset hem dan en stel hem opnieuw in.
2. **hoe je een Draytek v2862 modem-router bridged (transparant) instelt**
> let op: na configuratie kun je hem niet meer benaderen omdat hij transparant is. Wil je dat wel, reset hem dan en stel hem opnieuw in.
3. **hoe je een Draytek router instelt die achter het bridged apparaat staat**
> deze krijgt het publieke IP adres van de verbinding

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

1) Draytek 130 bridged instellen:

Log in → ga naar Internet Access → General Setup → check dat display name / VLAN TAG LEEG zijn.

Internet Access >> General Setup

WAN 1

Display Name:

Physical Mode: **ADSL**

DSL Mode: **Auto**

VLAN Tag insertion	Customer	Service
ADSL	Disable Tag value: 0 (0~4095) Priority: 0 (0~7)	Disable
VDSL2	Disable Tag value: 0 (0~4095) Priority: 0 (0~7)	Disable Tag value: 0 (0~4095) Priority: 0 (0~7)

OK Cancel

Ga vervolgens naar MPoA / Static or dynamic IP en vul deze als volgt in voor een CallvoipDSL verbinding:

Internet Access >> MPoA / Static or dynamic IP

MPoA / Static or dynamic IP

MPoA (RFC1483/2684) ☒ Enable ☐ Disable

DSL Modem Settings (for ADSL mode only)

Multi-PVC channel: **Channel 2**

Encapsulation: **1483 Bridged IP VC-Mux**

VPI:

VCI:

Modulation: **Multimode**

WAN Connection Detection

Mode: **Ping Detect**

Ping IP:

TTL:

MTU: (Max:1500)

RIP Protocol ☐ Enable RIP

Bridge Mode

☒ Enable Bridge Mode

WAN IP Network Settings

☒ Obtain an IP address automatically

Router Name:

Domain Name:

☐ DHCP Client Identifier *

Username:

Password:

☒ Specify an IP address **WAN IP Alias**

IP Address:

Subnet Mask:

Gateway IP Address:

☒ Default MAC Address

☐ Specify a MAC Address

MAC Address:

DNS Server IP Address

Primary IP Address:

Secondary IP Address:

Advanced You can configure DHCP client options here.

*: Required for some ISPs

OK

2) Draytek v2862 bridged instellen:

Log in → ga naar WAN → General Setup → klik op WAN 1 = de DSL-poort:

WAN >> General Setup

Load Balance Mode: Auto Weight IP Based Advance

Index	Enable	Physical Mode/Type	Line Speed(Kbps) DownLink/UpLink	Active Mode	Load Balance
WAN1	☒	ADSL/-	0 / 0	Always On	V
WAN2 (Marketing Team)	☒	Ethernet/Auto negotiation	0 / 0	Always On	V
WAN3	☒	USB/-	0 / 0	Always On	V
WAN4	☒	USB/-	0 / 0	Always On	V

Note:
The line speed setting of WAN interface is available only when According to Line Speed is selected as the Load Balance Mode.

OK Cancel

Ga vervolgens naar Internet Access → General Setup → check dat display name / VLAN TAG LEEG zijn.

WAN >> General Setup

WAN 1

Enable: Yes

Display Name:

Physical Mode: ADSL

DSL Mode: VDSL2 only

DSL Modem Code: Default

Line Speed(Kbps):
DownLink: 0
UpLink: 0

Active Mode: Always On Load Balance: ☒

VLAN Tag Insertion	Customer (TPID 0x8100)	Service (TPID 0x8100)
ADSL	Disable Tag value: 0 (0~4095) Priority: 0 (0~7)	
VDSL2	Disable Tag value: 0 (0~4095) Priority: 0 (0~7)	Disable Tag value: 0 (0~4095) Priority: 0 (0~7)

Note:
1. The line speed setting of WAN interface is available only when According to Line Speed is selected as the Load Balance Mode.
2. ADSL is only available on DSL port 1.
3. Customer and service tag are used for different network environments. Customer tag is required for most ISPs while Service tag is required when ISP needs QinQ packets.

OK Cancel

Ga vervolgens naar WAN → Internet Access → selecteer WAN 1 (= DSL) en klik op DETAILS PAGE:

DrayTek Vigor2862 Series

Auto Logout | IR6

Dashboard
Wizards
Online Status

Search menu

WAN
General Setup
Internet Access
Multi-PVC/VLAN
WAN Budget

LAN
Hotspot Web Portal
Routing
NAT
Hardware Acceleration
Firewall

WAN >> Internet Access

Internet Access

Index	Display Name	Physical Mode	Access Mode	Details Page	IPv6
WAN1		ADSL / VDSL2	PPPoE / PPPoA	Details Page	IPv6
WAN2	Marketing Team	Ethernet	Static or Dynamic IP	Details Page	IPv6
WAN3		USB	3G/4G USB Modem(DHCP mode)	Details Page	IPv6
WAN4		USB	3G/4G USB Modem(DHCP mode)	Details Page	IPv6

Note:
1. Device on USB port 1 applies WAN3 configuration.
2. Device on USB port 2 applies WAN4 configuration.

DHCP Client Option

Vul de pagina als volgt in voor CallvoipDSL en sla op:

DrayTek Vigor2862 Series

Auto Logout | IR6

Dashboard
Wizards
Online Status

Search menu

WAN
General Setup
Internet Access
Multi-PVC/VLAN
WAN Budget

LAN
Hotspot Web Portal
Routing
NAT
Hardware Acceleration
Firewall
User Management
Objects Setting
CSM
Bandwidth Management
Applications
VPN and Remote Access
Certificate Management
Wireless LAN
SSL VPN
USB Application
System Maintenance
Diagnostics

Central Management
VPN
AP
Switch
External Devices

MyVigor Services
Product Registration
Service Status

All Rights Reserved.

Admin mode
Status: Ready

WAN >> Internet Access

WAN 1

PPPoE / PPPoA | **MPoA / Static or Dynamic IP** | IPv6

☒ Enable ☐ Disable

ADSL Modem Settings

Multi-PVC channel: Channel 2

Encapsulation: 1483 Bridged IP VC-Mux

VPI: 0

VCI: 35

Modulation: Multimode

IP Network Settings

☒ Obtain an IP address automatically
More Options

☒ Specify an IP address

IP Address:

Subnet Mask:

Gateway IP Address:

WAN IP Alias:

DNS Server IP Address

Primary Server: 8.8.8.8

Secondary Server: 8.8.4.4

WAN Connection Detection

Mode: Ping Detect

Primary Ping IP: 8.8.8.8

Secondary Ping IP: 8.8.4.4

☐ Ping Gateway IP

TTL: 255

Ping Interval: 1 second(s)

Ping Retry: 10 times

MTU: 1492 (Max:1500) Path MTU Discovery

RIP Routing

☐ Enable RIP

Bridge Mode

☐ Enable Bridge Mode

☒ Enable Full Bridge Mode

Bridge Subnet: LAN 1

MAC Address

☒ Default MAC Address

☐ Use the following MAC Address

00 : 1D : AA : 64 : E7 : B1

Note:
1. VPN feature may be affected when the value of MTU is changed, please also check your value of VPN mss by using "VPN mss set" command.
We recommend to put the same decreased value on VPN mss. For example, reducing the MTU from 1500 -> 1400, then it will need to reduce 100 from mss value.
2. If enable firewall in bridge mode, IPv6 connection type would be change to DHCPv6 mode.
3. Bridge Subnet cannot be selected by Multi-WAN Interface at the same time.
4. If both Bridge Mode and Firewall are enabled, the settings under User Management will be ignored.
5. Full Bridge Mode supports forwarding packets with VLAN tags.
6. Full Bridge Mode doesn't support wireless LAN.

3) Draytek v2862 instellen als router achter een Bridge

De router / firewall achter een bridge moet worden ingesteld:

- op PPPoE
- met de VLAN TAG 6 voor VDSL
- met de username password voor de VDSL (bij CallvoipDSL: callvoip callvoip)

In het voorbeeld: Draytek v2925 router aangesloten op een bridge op wan 2

WAN → General Setup → juiste WAN poort: vul de VLAN TAG in voor VDSL:

DrayTek Vigor2925 Series

WAN >> General Setup

WAN 2

Enable: ☐

Display Name: Ziggo

Physical Mode: Ethernet

Physical Type: Auto negotiation

Line Speed(Kbps):

DownLink: 0

UpLink: 0

VLAN Tag insertion : Enable

Tag value: 6 (0~4095)

Priority: 0 (0~7)

Active Mode: Always On Load Balance: ☒

Note:
The line speed setting of WAN interface is available only when According to Line Speed is selected as the Load Balance Mode.

OK Cancel

WAN → Internet Access → kies PPPoE en vul de username password in:

DrayTek Vigor2925 Series

WAN >> Internet Access

WAN 2

PPPoE Static or Dynamic IP PPTP/L2TP

☒ Enable ☐ Disable

ISP Access Setup

Username: callvoip

Password: *****

More Options

WAN Connection Detection

Mode: Ping Detect

Primary Ping IP: 208.67.222.222

Secondary Ping IP: 8.8.8.8

☐ Ping Gateway IP: 185.233.90.1

TTL: 255

Ping Interval: 1 second(s)

Ping Retry: 10 times

MTU: 1500 (Max:1500) Path MTU Discovery

PPP/MP Setup

PPP Authentication: PAP or CHAP

Idle Timeout: -1 second(s)

IP Assignment (IPCP): ☐ Static ☒ Dynamic

Fixed IP Address

WAN IP Alias

Dial-Out Schedule

None => None

None => None

TTL

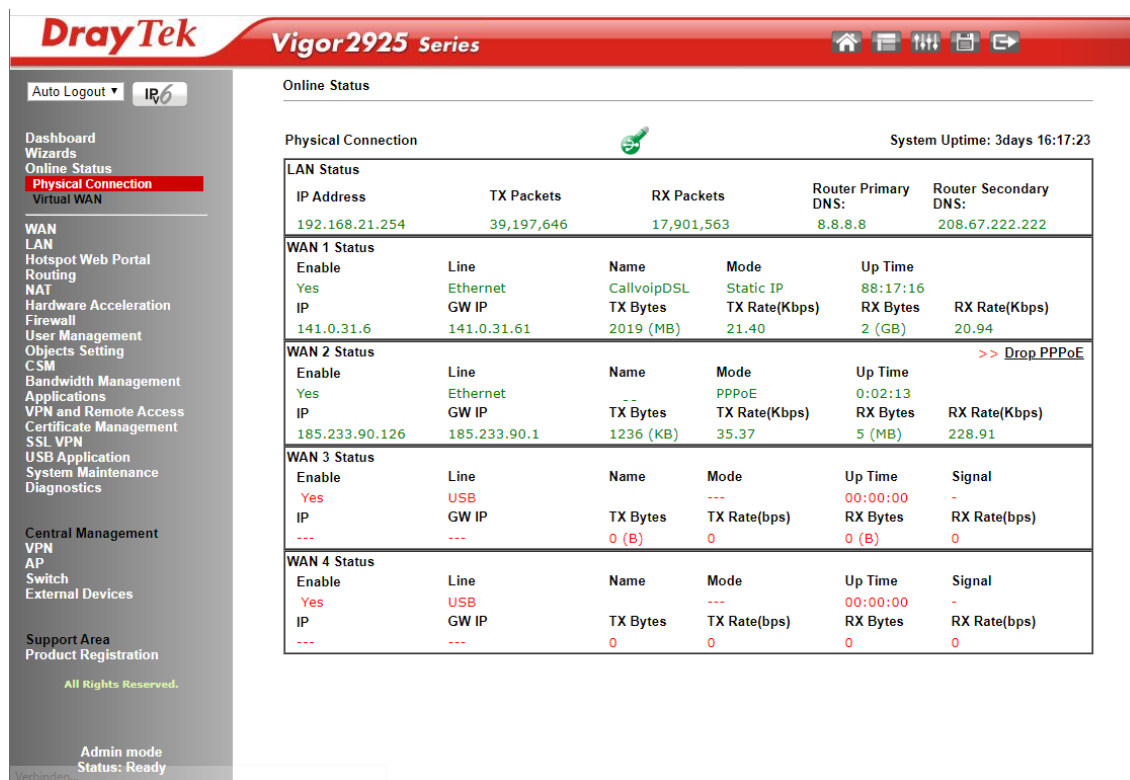
☒ Change the TTL value

☒ Default MAC Address

☐ Use the following MAC Address: 00:1D:AA:B1:E6:CA

OK Cancel

Ten slotte: check bij Online Status of de verbinding (in dit voorbeeld WAN 2) groen is en het WAN IP adres heeft gekregen:



DrayTek Vigor2925 Series

Auto Logout | IP6

Dashboard
Wizards
Online Status
Physical Connection
Virtual WAN

WAN
LAN
Hotspot Web Portal
Routing
NAT
Hardware Acceleration
Firewall
User Management
Objects Setting
CSM
Bandwidth Management
Applications
VPN and Remote Access
Certificate Management
SSL VPN
USB Application
System Maintenance
Diagnostics

Central Management
VPN
AP
Switch
External Devices

Support Area
Product Registration

All Rights Reserved.

Admin mode
Status: Ready

Online Status

Physical Connection  System Uptime: 3days 16:17:23

LAN Status		TX Packets		RX Packets		Router Primary DNS:	Router Secondary DNS:
IP Address	192.168.21.254	39,197,646	17,901,563	8.8.8.8	208.67.222.222		

WAN 1 Status		Line	Name	Mode	Up Time	RX Bytes	RX Rate(Kbps)
Enable	Yes	Ethernet	CallvoipDSL	Static IP	88:17:16		
IP	141.0.31.6	141.0.31.61	2019 (MB)	21.40	2 (GB)	20.94	

WAN 2 Status		Line	Name	Mode	Up Time	RX Bytes	RX Rate(Kbps)
Enable	Yes	Ethernet	-	PPPoE	0:02:13		
IP	185.233.90.126	185.233.90.1	1236 (KB)	35.37	5 (MB)	228.91	

>> Drop PPPoE

WAN 3 Status		Line	Name	Mode	Up Time	Signal
Enable	Yes	USB	-	---	00:00:00	-
IP	---	GW IP	TX Bytes	TX Rate(bps)	RX Bytes	RX Rate(bps)
---	---	---	0 (B)	0	0 (B)	0

WAN 4 Status		Line	Name	Mode	Up Time	Signal
Enable	Yes	USB	-	---	00:00:00	-
IP	---	GW IP	TX Bytes	TX Rate(bps)	RX Bytes	RX Rate(bps)
---	---	---	0	0	0	0

Deze handleiding wordt je aangeboden door Callvoip.
Uitgekiende telefonie-oplossingen voor slimme ondernemers.



Callvoip
Koldingweg 19-1
9723 HL GRONINGEN

T: 050 - 820 00 00
F: 050 - 820 00 08

@: callvoip@callvoip.nl
W: www.callvoip.nl

