

***DrayTek***

***Internettoegang***



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## KPN

Type verbinding(en): ADSL, VDSL & Fiber (niet geschikt voor PON verbindingen)

### ADSL instellingen

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**. Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 6** op te geven. De Priority kan op 0 blijven staan.

#### Particulier ADSL:

PPPoA

VPI: 8

VCI: 48

#### Zakelijk ADSL:

PPPoA

VPI: 2

VCI: 32

WAN 1			
PPPoE / PPPoA	MPoA / Static or Dynamic IP	IPv6	
<input checked="" type="radio"/> Enable <input type="radio"/> Disable			
<b>ADSL Modem Settings</b>			
Multi-PVC channel	Channel 1		
VPI	8		
VCI	48		
Encapsulating Type	VC MUX		
Protocol	PPPoA		
Modulation	Multimode		
<b>ISP Access Setup</b>			
Username	kpn1		
Password	.....		
More Options +			
<b>WAN Connection Detection</b>			
Mode	PPP Detect		
<b>MTU</b>			
1492 (Max: 1500)	Path MTU Discovery		
<b>PPP/MP Setup</b>			
PPP Authentication	PAP or CHAP		
IP Assignment (IPCP)	<input type="radio"/> Static <input checked="" type="radio"/> Dynamic		
Fixed IP Address			
WAN IP Alias			
<b>Dial-Out Schedule</b>			
Index(1-15) in <a href="#">Schedule</a> Setup:			
None	=>	None	
=>	None	=>	None
<b>PPPoE Pass-through</b>			
<input type="checkbox"/> For Wired LAN			
<input type="checkbox"/> For Wireless LAN			
<b>MAC Address</b>			
<input checked="" type="radio"/> Default MAC Address			
<input type="radio"/> Use the following MAC Address			
00 : 1D : AA : 64 : E7 : B1			

## VDSL instellingen

PPPoE – VLAN tag 6

Username/password (dit kunt u zelf kiezen, maar dient wel ingevuld te worden)

Dynamic IP

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**.

Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 6** op te geven. De Priority kan op 0 blijven staan.

WAN 1				
Enable:	Yes ▾			
Display Name:	KPN			
Physical Mode:	Ethernet			
Physical Type:	Auto negotiation ▾			
Active Mode:	Always On ▾			
VLAN Tag insertion	Customer	Service		
	Enable ▾	Disable ▾		
	Tag value	Priority	Tag value	Priority
	6	0	0	0
	(0~4095)	(0~7)	(0~4095)	(0~7)

Klik op **OK** om de instellingen op te slaan. Bij **WAN >> Internet Access** configureert u de WAN poort als PPPoE.

WAN 1			
PPPoE	Static or Dynamic IP	PPTP/L2TP	IPv6
<input checked="" type="radio"/> Enable <input type="radio"/> Disable			
<b>ISP Access Setup</b>			
Username	kpn		
Password	...		
More Options +			
<b>PPPoE Pass-through</b>			
<input type="checkbox"/> For Wired LAN			
<input type="checkbox"/> For Wireless LAN			
<b>WAN Connection Detection</b>			
Mode	PPP Detect ▾		
<b>MTU</b>			
1492	Path MTU Discovery		
(Max:1500)			
<b>PPP/MP Setup</b>			
PPP Authentication	PAP or CHAP ▾		
Idle Timeout	-1 second(s)		
IP Assignment (IPCP)	<input type="radio"/> Static <input checked="" type="radio"/> Dynamic		
Fixed IP Address			
WAN IP Alias			
<b>Dial-Out Schedule</b>			
Index(1-15) in <u>Schedule</u> Setup:			
None ▾ => None ▾			
=> None ▾ => None ▾			
<b>TTL</b>			
<input checked="" type="checkbox"/> Change the TTL value			
<input checked="" type="radio"/> Default MAC Address			
<input type="radio"/> Use the following MAC Address			
00 : 1D : AA : 66 : DF : F1			

## Fiber instellingen

PPPoE – VLAN tag 6

Username/password (dit kunt u zelf kiezen, maar dient wel ingevuld te worden)

Dynamic IP

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**.

Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om

vervolgens **Tag value 6** op te geven. De Priority kan op 0 blijven staan.

WAN 1		
Enable:	Yes ▾	
Display Name:	KPN	
Physical Mode:	Ethernet	
Physical Type:	Auto negotiation ▾	
Active Mode:	Always On ▾	
VLAN Tag insertion	Customer	Service
	Enable ▾	Disable ▾
	Tag value	Tag value
	6	0
	(0~4095)	(0~7)
	Priority	Priority
	0	0
	(0~7)	(0~7)

Klik op **OK** om de instellingen op te slaan. Bij **WAN >> Internet Access** configureert u de WAN poort als PPPoE.

WAN 1	
PPPoE	Static or Dynamic IP
<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
<b>ISP Access Setup</b>	
Username	kpn
Password	...
More Options +	
<b>PPPoE Pass-through</b>	
<input type="checkbox"/> For Wired LAN	
<input type="checkbox"/> For Wireless LAN	
<b>WAN Connection Detection</b>	
Mode	PPP Detect ▾
<b>MTU</b>	
1492	Path MTU Discovery
(Max:1500)	
<b>PPP/MP Setup</b>	
PPP Authentication	PAP or CHAP ▾
Idle Timeout	-1 second(s)
IP Assignment (IPCP)	<input type="radio"/> Static <input checked="" type="radio"/> Dynamic
Fixed IP Address	
WAN IP Alias	
<b>Dial-Out Schedule</b>	
Index(1-15) in <b>Schedule Setup</b> :	
None ▾ => None ▾	
=> None ▾ => None ▾	
<b>TTL</b>	
<input checked="" type="checkbox"/> Change the TTL value	
<input checked="" type="radio"/> Default MAC Address	
<input type="radio"/> Use the following MAC Address	
00 : 1D : AA : 66 : DF : F1	

Klik op **OK** om de instellingen op te slaan. Na deze aanpassing zal internettoegang op de DrayTek mogelijk moeten zijn.

## **IPoE instellingen**

Bij een IPoE verbinding van KPN kunt u gebruik maken van [deze handleiding](#).

## Odido

Type verbinding(en): VDSL & Fiber (niet geschikt voor PON verbindingen)

### VDSL & Fiber instellingen

DHCP – VLAN tag 300

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**. Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 300** op te geven. De Priority kan op 0 blijven staan.

WAN 1		
Enable:	Yes ▾	
Display Name:	T-Mobile	
Physical Mode:	VDSL2	
DSL Mode:	Auto ▾	
DSL Modem Code:	Default ▾	
Line Speed(Kbps):		
DownLink	<input type="text"/>	
UpLink	<input type="text"/>	
Link Condition Detection		
Mode	Ping Detect ▾	
Active Mode:	Always On ▾	
VLAN Tag insertion	Customer (TPID 0x8100)	Service (TPID 0x8100)
<b>ADSL</b>	Disable ▾ Tag value    Priority 0            0 (0~4095)    (0~7)	
<b>VDSL2</b>	Enable ▾ Tag value    Priority 300 <input type="text"/> (0~4095)    (0~7)	Disable ▾ Tag value    Priority 0            0 (0~4095)    (0~7)

Bij **WAN Internet Access** kunt u de WAN poort verder configureren als DHCP client. Belangrijk is hierbij het aanvinken van **‘Enable’** en **‘Obtain an IP address automatically’**.

**WAN 1**

PPPoE	Static or Dynamic IP	PPTP/L2TP	IPv6
<input checked="" type="radio"/> Enable <input type="radio"/> Disable		<b>Keep WAN Connection</b> <input type="checkbox"/> Enable PING to keep alive PING to the IP <input type="text"/> PING Interval <input type="text" value="0"/> minute(s)	
<b>IP Network Settings</b> <input checked="" type="radio"/> Obtain an IP address automatically More Options <input type="button" value="+"/> <input type="radio"/> Specify an IP address IP Address <input type="text"/> Subnet Mask <input type="text"/> Gateway IP Address <input type="text"/> <input type="button" value="WAN IP Alias"/>		<b>TTL</b> <input checked="" type="checkbox"/> Change the TTL value	
<b>DNS Server IP Address</b> Primary Server <input type="text"/> Secondary Server <input type="text"/>		<b>RIP Routing</b> <input type="checkbox"/> Enable RIP	
<b>WAN Connection Detection</b> Mode <input type="text" value="ARP Detect"/>		<b>MAC Address</b> <input checked="" type="radio"/> Default MAC Address <input type="radio"/> Use the following MAC Address <input type="text" value="14"/> : <input type="text" value="49"/> : <input type="text" value="BC"/> : <input type="text"/> : <input type="text"/> : <input type="text"/>	
<b>MTU</b> <input type="text" value="1500"/> <input type="button" value="Path MTU Discovery"/>			

Klik op **OK** om de instellingen op te slaan. Na deze aanpassing zal internettoegang op de DrayTek mogelijk moeten zijn.



## Ziggo

*Nog niet bekend gemaakt*

Indien het Ziggo modem in bridge mode staat kunt u de DrayTek router als DHCP client configureren. Navigeer naar **WAN > Internet Access** om hier de WAN poort als **'Static or Dynamic IP'** te configureren. Selecteer **'Enable'** en **'Obtain an IP address automatically'**.

WAN 1	
PPPoE	Static or Dynamic IP
<input checked="" type="radio"/> Enable <input type="radio"/> Disable	<b>Keep WAN Connection</b> <input type="checkbox"/> Enable PING to keep alive PING to the IP <input type="text"/> PING Interval <input type="text"/> minute(s)
<b>IP Network Settings</b> <input checked="" type="radio"/> Obtain an IP address automatically More Options <input type="button" value="+"/> <input type="radio"/> Specify an IP address IP Address <input type="text"/> Subnet Mask <input type="text"/> Gateway IP Address <input type="text"/> <input type="button" value="WAN IP Alias"/>	<b>TTL</b> <input type="checkbox"/> Change the TTL value
<b>DNS Server IP Address</b> Primary Server <input type="text" value="8.8.8.8"/> Secondary Server <input type="text" value="8.8.4.4"/>	<b>RIP Routing</b> <input type="checkbox"/> Enable RIP
<b>WAN Connection Detection</b> Mode <input type="text" value="ARP Detect"/>	<b>MAC Address</b> <input type="radio"/> Default MAC Address <input type="radio"/> Use the following MAC Address <input type="text" value="14:49:BC:03:B0:61"/>
<b>MTU</b> <input type="text" value="1500"/> <input type="button" value="Path MTU Discovery"/>	

## Delta / Caiway

Type verbinding: Fiber (niet geschikt voor PON verbindingen muv V2962/V3910/V3912)

### Fiber instellingen

DHCP – VLAN tag 100 (VLAN tag kan verschillen per regio, vraag na bij provider)

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**. Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 100** op te geven. De Priority kan op 0 blijven staan.

WAN 1		
Enable:	Yes ▾	
Display Name:	Delta	
Physical Mode:	Ethernet	
Physical Type:	Auto negotiation ▾	
Active Mode:	Always On ▾	
VLAN Tag insertion	Customer	Service
	Enable ▾	Disable ▾
	Tag value	Tag value
	100	0
	(0~4095)	(0~4095)
	Priority	Priority
	0	0
	(0~7)	(0~7)

Bij **WAN Internet Access** kunt u de WAN poort verder configureren als DHCP client. Belangrijk is hierbij het aanvinken van **‘Enable’** en **‘Obtain an IP address automatically’**.

WAN 1			
PPPoE	Static or Dynamic IP	PPTP/L2TP	IPv6
<input checked="" type="radio"/> Enable <input type="radio"/> Disable		<b>Keep WAN Connection</b>	
<b>IP Network Settings</b>		<input type="checkbox"/> Enable PING to keep alive	
<input checked="" type="radio"/> Obtain an IP address automatically		PING to the IP <input type="text"/>	
More Options +		PING Interval <input type="text"/> minute(s)	
<input type="radio"/> Specify an IP address		<b>TTL</b>	
IP Address <input type="text"/>		<input type="checkbox"/> Change the TTL value	
Subnet Mask <input type="text"/>		<b>RIP Routing</b>	
Gateway IP Address <input type="text"/>		<input type="checkbox"/> Enable RIP	
<input type="button" value="WAN IP Alias"/>		<b>MAC Address</b>	
<b>DNS Server IP Address</b>		<input type="radio"/> Default MAC Address	
Primary Server <input type="text" value="8.8.8.8"/>		<input type="radio"/> Use the following MAC Address	
Secondary Server <input type="text" value="8.8.4.4"/>		<input type="text" value="14:49:BC:03:B0:61"/>	
<b>WAN Connection Detection</b>			
Mode <input type="text" value="ARP Detect"/>			
<b>MTU</b>			
<input type="text" value="1500"/>		<input type="checkbox"/> Path MTU Discovery	

## Online

Type verbinding: ADSL & VDSL

### ADSL instellingen

VPI: 8

VCI: 35

DHCP / MPoA

Bij **WAN >> Internet Access** kunt u de WAN poort configureren als **MPoA / Static** or **Dynamic IP**. Belangrijk is hierbij het aanvinken van 'Enable' en 'Obtain an IP address automatically'. Geef daarnaast de juiste VPI en VCI waardes.

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 LLC

VPI    8

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    ARP Detect

---

**MTU**

1492    Path MTU Discovery

(Max:1500) (Max:1500)

---

**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 : 62 : 0F : A9

## VDSL instellingen

### DHCP – VLAN tag 1001

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**. Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 1001** op te geven. De Priority kan op 0 blijven staan.

WAN 1		
Enable:	<input type="button" value="Yes"/>	
Display Name:	<input type="text" value="Online"/>	
Physical Mode:	ADSL	
DSL Mode:	<input type="button" value="VDSL2 only"/>	
DSL Modem Code:	<input type="button" value="Default"/>	
Line Speed(Kbps):		
DownLink	<input type="text" value="0"/>	
UpLink	<input type="text" value="0"/>	
Active Mode:	<input type="button" value="Always On"/> Load Balance: <input checked="" type="checkbox"/>	
VLAN Tag insertion	Customer (TPID 0x8100)	Service (TPID 0x8100)
ADSL	<input type="button" value="Disable"/> Tag value <input type="text" value="0"/> (0~4095) Priority <input type="text" value="0"/> (0~7)	
VDSL2	<input type="button" value="Enable"/> Tag value <input type="text" value="1001"/> (0~4095) Priority <input type="text" value="0"/> (0~7)	<input type="button" value="Disable"/> Tag value <input type="text" value="0"/> (0~4095) Priority <input type="text" value="0"/> (0~7)

Bij **WAN >> Internet Access** kunt u de WAN poort verder configureren als DHCP client. Belangrijk is hierbij het aanvinken van **‘Enable’** en **‘Obtain an IP address automatically’**.

WAN 1	
PPPoE	Static or Dynamic IP
<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
<b>IP Network Settings</b> <input checked="" type="radio"/> Obtain an IP address automatically More Options <input type="button" value="⊕"/> <input type="radio"/> Specify an IP address IP Address <input type="text"/> Subnet Mask <input type="text"/> Gateway IP Address <input type="text"/> <input type="button" value="WAN IP Alias"/>	<b>Keep WAN Connection</b> <input type="checkbox"/> Enable PING to keep alive PING to the IP <input type="text"/> PING Interval <input type="text" value="0"/> minute(s)
<b>DNS Server IP Address</b> Primary Server <input type="text" value="8.8.8.8"/> Secondary Server <input type="text" value="8.8.4.4"/>	<b>TTL</b> <input type="checkbox"/> Change the TTL value
<b>WAN Connection Detection</b> Mode <input type="button" value="ARP Detect"/>	<b>RIP Routing</b> <input type="checkbox"/> Enable RIP
<b>MTU</b> <input type="text" value="1500"/> <input type="button" value="Path MTU Discovery"/>	<b>MAC Address</b> <input type="radio"/> Default MAC Address <input type="radio"/> Use the following MAC Address <input type="text" value="14:49:BC:03:B0:61"/>

## Solcon

Type verbinding: ADSL, VDSL & Fiber

### ADSL instellingen

VPI: 0

VCI: 36

PPPoA met PPP credentials (gebruikersnaam / wachtwoord)

Navigeer in het menu van de DrayTek router naar **WAN >> Internet Access** om hier de WAN poort als **PPPoE / PPPoA** te configureren.

**WAN >> Internet Access**

---

**WAN 1**

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

Enable     Disable

---

**ADSL Modem Settings**

Multi-PVC channel: Channel 1

VPI: 0

VCI: 36

Encapsulating Type: VC MUX

Protocol: PPPoA

Modulation: Multimode

---

**ISP Access Setup**

Username: gebruikersnaam

Password: .....

More Options +

---

**WAN Connection Detection**

Mode: PPP Detect

---

**MTU**

1492 (Max: 1500)    Path MTU Discovery

---

**PPP/MP Setup**

PPP Authentication: PAP or CHAP

IP Assignment (IPCP):  Static     Dynamic

Fixed IP Address: [ ]

WAN IP Alias: [ ]

---

**Dial-Out Schedule**

Index(1-15) in **Schedule** Setup:

[ None ] => [ None ]

=> [ None ] => [ None ]

---

**PPPoE Pass-through**

For Wired LAN

For Wireless LAN

---

**MAC Address**

Default MAC Address

Use the following MAC Address

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

---

**Note:**

1. If PPPoE Pass-through for Wired LAN is checked while protocol is PPPoA, the router will behave like a modem which only serves the PPPoE client on the LAN.
2. 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.

OK    Cancel

## VDSL instellingen

PPPoE – VLAN tag 6

Gebruikersnaam / wachtwoord

Dynamic IP

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**.

Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om

vervolgens **Tag value 6** op te geven. De Priority kan op 0 blijven staan.

WAN 1		
Enable:	Yes ▾	
Display Name:	Solcon	
Physical Mode:	ADSL	
DSL Mode:	VDSL2 only ▾	
DSL Modem Code:	Default ▾	
Line Speed(Kbps):		
DownLink	0	
UpLink	0	
Active Mode:	Always On ▾	Load Balance: <input checked="" type="checkbox"/>
VLAN Tag insertion	Customer (TPID 0x8100)	Service (TPID 0x8100)
ADSL	Disable ▾ Tag value    Priority 0            0 (0~4095)    (0~7)	
VDSL2	Enable ▾ Tag value    Priority 6            0 (0~4095)    (0~7)	Disable ▾ Tag value    Priority 0            0 (0~4095)    (0~7)

Klik op **OK** om de instellingen op te slaan. Bij **WAN >> Internet Access** configureert u de WAN poort als **PPPoE**.

WAN >> Internet Access

WAN 1

PPPoE / PPPoA	MPoA / Static or Dynamic IP	IPv6	
<input checked="" type="radio"/> Enable <input type="radio"/> Disable			
<b>ADSL Modem Settings</b>			
Multi-PVC channel	Channel 1		
VPI	1		
VCI	32		
Encapsulating Type	LLC/SNAP		
Protocol	PPPoE		
Modulation	Multimode		
<b>ISP Access Setup</b>			
Username	gebruikersnaam		
Password	*****		
More Options +			
<b>WAN Connection Detection</b>			
Mode	PPP Detect		
<b>MTU</b>			
1492 (Max:1500)	Path MTU Discovery		
<b>PPP/MP Setup</b>			
PPP Authentication	PAP or CHAP		
IP Assignment (IPCP)	<input type="radio"/> Static <input checked="" type="radio"/> Dynamic		
Fixed IP Address			
WAN IP Alias			
<b>Dial-Out Schedule</b>			
Index(1-15) in <u>Schedule</u> Setup:			
None	=>	None	
=>	None	=>	None
<b>PPPoE Pass-through</b>			
<input type="checkbox"/> For Wired LAN <sup>2</sup>			
<input type="checkbox"/> For Wireless LAN			
<b>MAC Address</b>			
<input checked="" type="radio"/> Default MAC Address			
<input type="radio"/> Use the following MAC Address			
00 : 1D : AA : 48 : 7A : 59			

## Fiber instellingen

DHCP – Untagged

Dynamic IP

Bij **WAN >> Internet Access** kunt u de WAN poort configureren als DHCP client. Belangrijk is hierbij het aanvinken van **'Enable'** en **'Obtain an IP address automatically'**.

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 LLC

VPI: 1

VCI: 88

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: ARP Detect

---

**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 : 48 : 7A : 59

---

**Note:**

1. Full Bridge Mode supports forwarding packets with VLAN tags.
2. Full Bridge Mode doesn't support wireless LAN.

OK   Cancel



## Freedom

Type verbinding(en): ADSL, VDSL & Fiber

### ADSL instellingen

VPI: 8

VCI: 48

PPPoA met PPP credentials (gebruikersnaam / wachtwoord)

Navigeer in het menu van de DrayTek router naar **WAN >> Internet Access** om hier de WAN poort als **PPPoE / PPPoA** te configureren.

#### WAN 1

PPPoE / PPPoA	MPoA / Static or Dynamic IP	IPv6	
<input checked="" type="radio"/> Enable <input type="radio"/> Disable			
<b>ADSL Modem Settings</b>			
Multi-PVC channel	Channel 1		
VPI	8		
VCI	48		
Encapsulating Type	VC MUX		
Protocol	PPPoA		
Modulation	Multimode		
<b>ISP Access Setup</b>			
Username	fake@freedom.nl		
Password	.....		
More Options +			
<b>WAN Connection Detection</b>			
Mode	PPP Detect		
<b>MTU</b>			
1492 (Max:1500)	Path MTU Discovery		
<b>PPP/MP Setup</b>			
PPP Authentication	PAP or CHAP		
IP Assignment (IPCP)	<input type="radio"/> Static <input checked="" type="radio"/> Dynamic		
Fixed IP Address			
WAN IP Alias			
<b>Dial-Out Schedule</b>			
Index(1-15) in <b>Schedule</b> Setup:			
None	=>	None	
=>	None	=>	None
<b>PPPoE Pass-through</b>			
<input type="checkbox"/> For Wired LAN <sup>2</sup>			
<input type="checkbox"/> For Wireless LAN			
<b>MAC Address</b>			
<input checked="" type="radio"/> Default MAC Address			
<input type="radio"/> Use the following MAC Address			
00 : 1D : AA : 48 : 7A : 59			

## VDSL instellingen

PPPoE – VLAN tag 6

Gebruikersnaam / wachtwoord

Dynamic IP

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**. Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 6** op te geven. De Priority kan op 0 blijven staan.

WAN 1		
Enable:	Yes ▾	
Display Name:	Freedom	
Physical Mode:	ADSL	
DSL Mode:	VDSL2 only ▾	
DSL Modem Code:	Default ▾	
Line Speed(Kbps):		
DownLink	0	
UpLink	0	
Active Mode:	Always On ▾ Load Balance: <input checked="" type="checkbox"/>	
VLAN Tag insertion	Customer (TPID 0x8100)	Service (TPID 0x8100)
ADSL	Disable ▾ Tag value Priority 0 0 (0~4095) (0~7)	
VDSL2	Enable ▾ Tag value Priority 6 0 (0~4095) (0~7)	Disable ▾ Tag value Priority 0 0 (0~4095) (0~7)

Klik op OK om de instellingen op te slaan. Bij **WAN >> Internet Access** configureert u de WAN poort als **PPPoE**.

WAN 1		
PPPoE / PPPoA	MPoA / Static or Dynamic IP	IPv6
<input checked="" type="radio"/> Enable <input type="radio"/> Disable		
<b>ADSL Modem Settings</b>		
Multi-PVC channel	Channel 1 ▾	
VPI	0	
VCI	33	
Encapsulating Type	VC MUX ▾	
Protocol	PPPoE ▾	
Modulation	Multimode ▾	
<b>ISP Access Setup</b>		
Username	fake@freedom.nl	
Password	.....	
More Options		
<b>WAN Connection Detection</b>		
Mode	PPP Detect ▾	
<b>MTU</b>		
1492	Path MTU Discovery	
(Max:1500)		
<b>PPP/MP Setup</b>		
PPP Authentication	PAP or CHAP ▾	
IP Assignment (IPCP)	<input type="radio"/> Static <input checked="" type="radio"/> Dynamic	
Fixed IP Address		
WAN IP Alias		
<b>Dial-Out Schedule</b>		
Index(1-15) in Schedule Setup:		
None ▾ =>	None ▾	
=> None ▾ =>	None ▾	
<b>PPPoE Pass-through</b>		
<input type="checkbox"/> For Wired LAN		
<input type="checkbox"/> For Wireless LAN		
<b>MAC Address</b>		
<input checked="" type="radio"/> Default MAC Address		
<input type="radio"/> Use the following MAC Address		
00 : 1D : AA : 64 : E7 : B1		

## Fiber instellingen

PPPoE – VLAN tag 6

Gebruikersnaam & wachtwoord

Dynamic IP

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**.  
Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 6** op te geven. De Priority kan op 0 blijven staan.

WAN 2		
Enable:	Yes ▾	
Display Name:	Freedom	
Physical Mode:	Ethernet ▾	
Physical Type:	Auto negotiation ▾	
Line Speed(Kbps):		
DownLink	0	
UpLink	0	
Active Mode:	Always On ▾ Load Balance: <input checked="" type="checkbox"/>	
VLAN Tag insertion	Customer (TPID 0x8100)	Service (TPID 0x8100)
	Enable ▾	Disable ▾
	Tag value Priority	Tag value Priority
	6 0	0 0
	(0~4095) (0~7)	(0~4095) (0~7)

Klik op OK om de instellingen op te slaan. Bij **WAN >> Internet Access** configureert u de WAN poort als **PPPoE**.

WAN 1		
PPPoE / PPPoA	MPoA / Static or Dynamic IP	IPv6
<input checked="" type="radio"/> Enable <input type="radio"/> Disable		
<b>ADSL Modem Settings</b>		
Multi-PVC channel	Channel 1 ▾	
VPI	0	
VCI	33	
Encapsulating Type	VC MUX ▾	
Protocol	PPPoE ▾	
Modulation	Multimode ▾	
<b>ISP Access Setup</b>		
Username	fake@freedom.nl	
Password	....	
More Options +		
<b>WAN Connection Detection</b>		
Mode	PPP Detect ▾	
<b>MTU</b>		
1492	Path MTU Discovery	
(Max:1500)		
<b>PPP/MP Setup</b>		
PPP Authentication	PAP or CHAP ▾	
IP Assignment (IPCP)	<input type="radio"/> Static <input checked="" type="radio"/> Dynamic	
Fixed IP Address		
WAN IP Alias		
<b>Dial-Out Schedule</b>		
Index(1-15) in <b>Schedule</b> Setup:		
None ▾ =>	None ▾	
=> None ▾ =>	None ▾	
<b>PPPoE Pass-through</b>		
<input type="checkbox"/> For Wired LAN		
<input type="checkbox"/> For Wireless LAN		
<b>MAC Address</b>		
<input checked="" type="radio"/> Default MAC Address		
<input type="radio"/> Use the following MAC Address		
00 : 1D : AA : 64 : E7 : B1		

## Tweak

Type verbinding: Fiber

## Fiber instellingen

DHCP – VLAN tag 34

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**. Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 34** op te geven. De Priority kan op 0 blijven staan.

WAN 1		
Enable:	Yes ▾	
Display Name:	Tweak	
Physical Mode:	Ethernet	
Physical Type (Ethernet):	Auto negotiation ▾	
Line Speed(Kbps):		
DownLink	<input type="text"/>	
UpLink	<input type="text"/>	
Link Condition Detection Mode:	Ping Detect ▾	
Active Mode:	Always On ▾	
VLAN Tag insertion	Customer (TPID 0x8100)	Service (TPID 0x8100)
	Enable ▾	Disable ▾
	Tag value Priority	Tag value Priority
	34 0	0 0
	(0~4095) (0~7)	(0~4095) (0~7)

Bij **WAN >> Internet Access** kunt u de WAN poort configureren als DHCP client. Belangrijk is hierbij het aanvinken van **‘Enable’** en **‘Obtain an IP address automatically’**.

WAN 1			
PPPoE	Static or Dynamic IP	PPTP/L2TP	IPv6
<input checked="" type="radio"/> Enable <input type="radio"/> Disable		<b>Keep WAN Connection</b>	
<b>IP Network Settings</b>		<input type="checkbox"/> Enable PING to keep alive	
<input checked="" type="radio"/> Obtain an IP address automatically		PING to the IP <input type="text"/>	
More Options +		PING Interval <input type="text"/> minute(s)	
<input type="radio"/> Specify an IP address		<b>TTL</b>	
IP Address <input type="text"/>		<input type="checkbox"/> Change the TTL value	
Subnet Mask <input type="text"/>		<b>RIP Routing</b>	
Gateway IP Address <input type="text"/>		<input type="checkbox"/> Enable RIP	
<input type="button" value="WAN IP Alias"/>		<b>MAC Address</b>	
<b>DNS Server IP Address</b>		<input type="radio"/> Default MAC Address	
Primary Server <input type="text" value="8.8.8.8"/>		<input type="radio"/> Use the following MAC Address	
Secondary Server <input type="text" value="8.8.4.4"/>		<input type="text" value="14:49:BC:03:B0:61"/>	
<b>WAN Connection Detection</b>			
Mode <input type="text" value="ARP Detect"/>			
<b>MTU</b>			
<input type="text" value="1500"/>		<input type="button" value="Path MTU Discovery"/>	

## Fiber

Type verbinding: Fiber

### Fiber instellingen

PPPoE – VLAN tag 2

Gebruikersnaam & wachtwoord (bij uw provider bekend)

Dynamic IP

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**.

Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 2** op te geven. De Priority kan op 0 blijven staan.

WAN 1					
Enable:	Yes ▾				
Display Name:	Fiber				
Physical Mode:	Ethernet				
Physical Type:	Auto negotiation ▾				
Active Mode:	Always On ▾				
VLAN Tag insertion	Customer		Service		
	Enable ▾		Disable ▾		
	Tag value	Priority	Tag value	Priority	
	2	0	0	0	
	(0~4095)	(0~7)	(0~4095)	(0~7)	

Klik op OK om de instellingen op te slaan. Bij **WAN >> Internet Access** configureert u de WAN poort als **PPPoE**.

WAN 1			
PPPoE	Static or Dynamic IP	PPTP/L2TP	IPv6
<input checked="" type="radio"/> Enable <input type="radio"/> Disable			
<b>ISP Access Setup</b>			
Username		fiber	
Password		.....	
More Options +			
<b>PPPoE Pass-through</b>			
<input type="checkbox"/> For Wired LAN			
<input type="checkbox"/> For Wireless LAN			
<b>WAN Connection Detection</b>			
Mode		PPP Detect ▾	
<b>MTU</b>			
1500		Path MTU Discovery	
(Max:1500)			
<b>PPP/MP Setup</b>			
PPP Authentication		PAP or CHAP ▾	
Idle Timeout		-1 second(s)	
IP Assignment (IPCP)		<input type="radio"/> Static <input checked="" type="radio"/> Dynamic	
Fixed IP Address			
WAN IP Alias			
<b>Dial-Out Schedule</b>			
Index(1-15) in <u>Schedule</u> Setup:			
None ▾		=> None ▾	
=> None ▾		=> None ▾	
<b>TTL</b>			
<input checked="" type="checkbox"/> Change the TTL value			
<input checked="" type="radio"/> Default MAC Address			
<input type="radio"/> Use the following MAC Address			
00		: 1D : AA : 66 : DF : F1	

## Weserve

Type verbinding: Fiber

### Fiber instellingen

FTTH

DHCP - VLAN 161

FTTO: bekijk het aansluitdocument voor uw VLAN ID.

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**. Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 161** op te geven. De Priority kan op 0 blijven staan.

WAN 1		
Enable:	Yes ▾	
Display Name:	WeServe	
Physical Mode:	Ethernet	
Physical Type:	Auto negotiation ▾	
Active Mode:	Always On ▾	
VLAN Tag insertion	Customer	Service
	Enable ▾	Disable ▾
	Tag value	Tag value
	161	0
	(0~4095)	(0~4095)
	Priority	Priority
	0	0
	(0~7)	(0~7)

Bij **WAN >> Internet Access** kunt u de WAN poort configureren als DHCP client. Belangrijk is hierbij het aanvinken van **‘Enable’** en **‘Obtain an IP address automatically’**.

WAN 1	
PPPoE	Static or Dynamic IP
<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
<b>IP Network Settings</b>	
<input checked="" type="radio"/> Obtain an IP address automatically	
More Options	
<input type="radio"/> Specify an IP address	
IP Address	
Subnet Mask	
Gateway IP Address	
<input type="button" value="WAN IP Alias"/>	
<b>DNS Server IP Address</b>	
Primary Server	8.8.8.8
Secondary Server	8.8.4.4
<b>WAN Connection Detection</b>	
Mode	ARP Detect ▾
<b>MTU</b>	
Max:1500	<input type="button" value="Path MTU Discovery"/>
	<b>Keep WAN Connection</b>
	<input type="checkbox"/> Enable PING to keep alive
	PING to the IP
	PING Interval
	0 minute(s)
	<b>TTL</b>
	<input type="checkbox"/> Change the TTL value
	<b>RIP Routing</b>
	<input type="checkbox"/> Enable RIP
	<b>MAC Address</b>
	<input type="radio"/> Default MAC Address
	<input type="radio"/> Use the following MAC Address
	14 : 49 : BC : 03 : B0 : 61

## BusinessConnect

Type verbinding(en): ADSL, VDSL & Fiber

### ADSL instellingen

VPI: 0

VCI: 35

PPPoA met PPP credentials (gebruikersnaam / wachtwoord worden door BusinessConnect verstrekt)

Navigeer in het menu van de DrayTek router naar **WAN >> Internet Access** om hier de WAN poort als **PPPoE / PPPoA** te configureren.

#### WAN 1

PPPoE / PPPoA	MPoA / Static or Dynamic IP	IPv6	
<input checked="" type="radio"/> Enable <input type="radio"/> Disable			
<b>ADSL Modem Settings</b>			
Multi-PVC channel	Channel 1		
VPI	0		
VCI	35		
Encapsulating Type	VC MUX		
Protocol	PPPoA		
Modulation	Multimode		
<b>ISP Access Setup</b>			
Username	gebruikersnaam		
Password	.....		
More Options +			
<b>WAN Connection Detection</b>			
Mode	PPP Detect		
<b>MTU</b>			
1492	Path MTU Discovery		
(Max:1500)			
<b>PPP/MP Setup</b>			
PPP Authentication	PAP or CHAP		
IP Assignment (IPCP)	<input type="radio"/> Static <input checked="" type="radio"/> Dynamic		
Fixed IP Address			
WAN IP Alias			
<b>Dial-Out Schedule</b>			
Index(1-15) in <u>Schedule</u> Setup:			
None	=>	None	
=>	None	=>	None
<b>PPPoE Pass-through</b>			
<input type="checkbox"/> For Wired LAN			
<input type="checkbox"/> For Wireless LAN			
<b>MAC Address</b>			
<input checked="" type="radio"/> Default MAC Address			
<input type="radio"/> Use the following MAC Address			
00 : 1D : AA : 64 : E7 : B1			

## VDSL instellingen

PPPoE – VLAN tag 6

Gebruikersnaam / wachtwoord (worden door BusinessConnect verstrekt)

Dynamic IP

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**.  
Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om vervolgens **Tag value 6** op te geven. De Priority kan op 0 blijven staan.

WAN 1			
Enable:	Yes ▾		
Display Name:	BusinessConnect		
Physical Mode:	ADSL		
DSL Mode:	VDSL2 only ▾		
DSL Modem Code:	Default ▾		
Line Speed(Kbps):			
DownLink	0		
UpLink	0		
Active Mode:	Always On ▾		Load Balance: <input checked="" type="checkbox"/>
VLAN Tag insertion	Customer (TPID 0x8100)	Service (TPID 0x8100)	
ADSL	Disable ▾		
	Tag value	Priority	
	0	0	
	(0~4095)	(0~7)	
VDSL2	Enable ▾	Disable ▾	
	Tag value	Tag value	Priority
	6	0	0
	(0~4095)	(0~4095)	(0~7)

Klik op **OK** om de instellingen op te slaan.



Bij **WAN >> Internet Access** configureert u de WAN poort als **PPPoE**.

WAN >> Internet Access

---

**WAN 1**

PPPoE / PPPoA	MPoA / Static or Dynamic IP	IPv6
---------------	-----------------------------	------

Enable    Disable

---

**ADSL Modem Settings**

Multi-PVC channel   Channel 1 ▾

VPI   1

VCI   32

Encapsulating Type   LLC/SNAP ▾

Protocol   PPPoE ▾

Modulation   Multimode ▾

---

**ISP Access Setup**

Username   gebruikersnaam

Password   .....

More Options +

---

**WAN Connection Detection**

Mode   PPP Detect ▾

---

**MTU**

1492   Path MTU Discovery

(Max:1500)

---

**PPP/MP Setup**

PPP Authentication   PAP or CHAP ▾

IP Assignment (IPCP)    Static    Dynamic

Fixed IP Address   [ ]

WAN IP Alias   [ ]

---

**Dial-Out Schedule**

Index(1-15) in **Schedule** Setup:

[ None ] => [ None ]

=> [ None ] => [ None ]

---

**PPPoE Pass-through**

For Wired LAN<sup>2</sup>

For Wireless LAN

---

**MAC Address**

Default MAC Address

Use the following MAC Address

[ 00 ] : [ 1D ] : [ AA ] : [ 48 ] : [ 7A ] : [ 59 ]

## Fiber instellingen

FTTH verbindingen

PPPoE – VLAN tag 6

Gebruikersnaam / wachtwoord (worden door BusinessConnect verstrekt)

Dynamic IP

Navigeer in het menu van de DrayTek naar **“WAN >> General Setup >> WAN 1”**.

Zet de **VLAN Tag insertion** onder het kopje **“Customer”** op **Enable** om

vervolgens **Tag value 6** op te geven. De Priority kan op 0 blijven staan.

WAN 1				
Enable:	Yes ▾			
Display Name:	BusinessConnect			
Physical Mode:	Ethernet			
Physical Type:	Auto negotiation ▾			
Active Mode:	Always On ▾			
VLAN Tag insertion	Customer	Service		
	Enable ▾	Disable ▾		
	Tag value	Priority	Tag value	Priority
	6	0	0	0
	(0~4095)	(0~7)	(0~4095)	(0~7)

Klik op OK om de instellingen op te slaan. Bij **WAN >> Internet Access** configureert u de WAN poort als **PPPoE**.

WAN 1			
PPPoE	Static or Dynamic IP	PPTP/L2TP	IPv6
<input checked="" type="radio"/> Enable <input type="radio"/> Disable			
<b>ISP Access Setup</b>			
Username		gebruikersnaam	
Password		.....	
More Options +			
<b>PPPoE Pass-through<sup>†</sup></b>			
<input type="checkbox"/> For Wired LAN			
<input type="checkbox"/> For Wireless LAN			
<b>WAN Connection Detection</b>			
Mode		PPP Detect ▾	
<b>MTU</b>			
1500		Path MTU Discovery	
(Max: 1500)			
<b>PPP/MP Setup</b>			
PPP Authentication		PAP or CHAP ▾	
Idle Timeout		-1 second(s)	
IP Assignment (IPCP)		<input type="radio"/> Static <input checked="" type="radio"/> Dynamic	
Fixed IP Address			
WAN IP Alias			
<b>Dial-Out Schedule</b>			
Index(1-15) in <b>Schedule</b> Setup:			
None ▾ =>		None ▾	
=> None ▾ =>		None ▾	
<b>TTL</b>			
<input checked="" type="checkbox"/> Change the TTL value			
<input checked="" type="radio"/> Default MAC Address			
<input type="radio"/> Use the following MAC Address			
00 : 1D : AA : 66 : DF : F1			

### **Voorbehoud**

We behouden ons het recht voor om deze en andere documentatie te wijzigen zonder de verplichting gebruikers hiervan op de hoogte te stellen. Afbeeldingen en screenshots kunnen afwijken.

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