

P-791R v2 G.SHDSL Konfiguration mit Internet Provider

Wichtig: Der P-791R v2 unterstützt den G.SHDSL**.bis** Standard, welcher Übertragungsraten bis zu 5.7 Mbps ermöglicht. Kann der Router keinen DSL-Link aufbauen (DSL-LED leuchtet nicht), stellt das Kommando **x pam 1** (Telnet Menü 24.8) den Router manuell auf den G.SHDSL-Mode um. Die Einstellung bleibt nach einem Neustart erhalten.

```

Menu 24 - System Maintenance
1. System Status
2. System Information and Console Port Speed
3. Log and Trace
4. Diagnostic
5. Backup Configuration
6. Restore Configuration
7. Upload Firmware
8. Command Interpreter Mode
9. Call Control
10. Time and Date Setting
11. Remote Management

Enter Menu Selection Number: 8

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P-791Rv2> x pam 1_

```

Nach der DSL-Synchronisation sollte die **Rate Adaptation** auf **Disable** umgestellt werden.

```

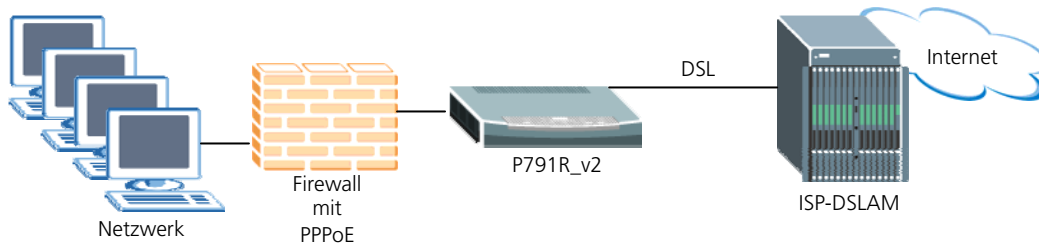
Menu 2 - WAN Setup
Service Mode= 2wire
Service Type= Client
Rate Adaption= Disable
Transfer Max Rate(Kbps)= 5696
Transfer Min Rate(Kbps)= 192
Standard Mode= ANSI<ANNEX_A>
Wan Backup Setup:
Check Mechanism = DSL Link
Check WAN IP Address1 = 0.0.0.0
Check WAN IP Address2 = 0.0.0.0
Check WAN IP Address3 = 0.0.0.0
KeepAlive Fail Tolerance = 0
Recovery Interval(sec) = 0
ICMP Timeout(sec) = 0
Traffic Redirect = No
Dial Backup = No
Press ENTER to Confirm or ESC to Cancel:

```

Folgen Sie für die weitere Konfiguration dem entsprechenden Abschnitt:

- Bridge Mode
- Routing Mode
- Transparent Routing Mode

Bridge Mode Konfiguration



Menü 1: Route IP = **No** / Bridge = **Yes**

```
Menu 1 - General Setup
System Name= P-791Rv2
Location=
Contact Person's Name=
Domain Name=
Edit Dynamic DNS= No
Route IP= No
Bridge= Yes

Press ENTER to Confirm or ESC to Cancel: _
```

Menü 4: Encapsulation = **RFC 1483** / NAT = **None**

```
Menu 4 - Internet Access Setup
ISP's Name= MultiSP
Encapsulation= RFC 1483
Multiplexing= LLC-based
UPI #= 8
UCI #= 35
ATM QoS Type= UBR
Peak Cell Rate (PCR)= 0
Sustain Cell Rate (SCR)= 0
Maximum Burst Size (MBS)= 0
My Login= N/A
My Password= N/A
ENET ENCAP Gateway= N/A
IP Address Assignment= N/A
IP Address= N/A
Network Address Translation= None
Address Mapping Set= N/A

Press ENTER to Confirm or ESC to Cancel: _
```

Menü 11.1: Route = **None** / Bridge = **Yes**

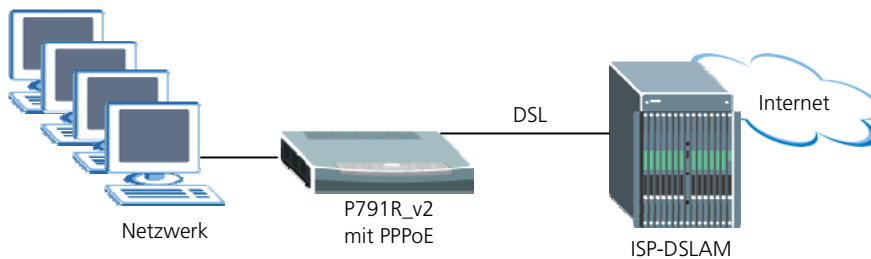
```

Menu 11.1 - Remote Node Profile

Rem Node Name= MyISP
Active= Yes
Encapsulation= RFC 1483
Multiplexing= LLC-based
Service Name= N/A
Incoming:
  Rem Login= N/A
  Rem Password= N/A
Outgoing:
  My Login= N/A
  My Password= N/A
  Authen= N/A
Route= None
Bridge= Yes
Edit IP/Bridge= No
Edit ATM Options= No
Edit Advance Options= N/A
Telco Option:
  Allocated Budget(min)= N/A
  Period(hr)= N/A
  Schedule Sets= N/A
  Nailed-Up Connection= N/A
Session Options:
  Edit Filter Sets= No
  Idle Timeout(sec)= N/A

Press ENTER to Confirm or ESC to Cancel: _
  
```

Routing Mode Konfiguration



Menü 4: Encapsulation = **PPPoE** (oder PPPoA, je nach Provider), Benutzer und Passwort eintragen, IP Address = **Dynamic** und NAT = **SUA Only**

```

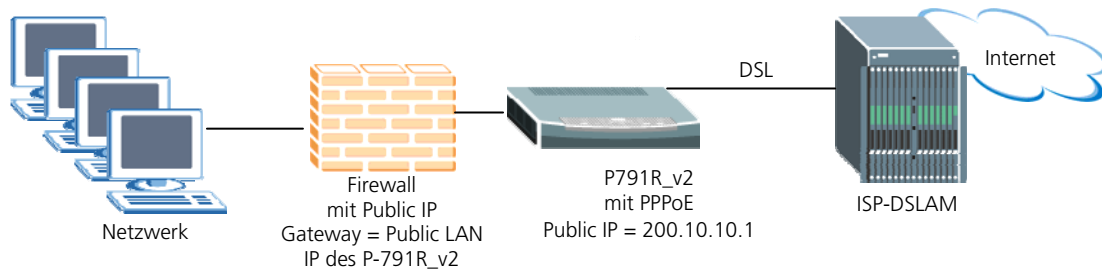
Menu 4 - Internet Access Setup

ISP's Name= MyISP
Encapsulation= PPPoE
multiplexing= LLC-based
UPI #= 8
UCI #= 35
ATM QoS Type= UBR
  Peak Cell Rate (PCR)= 0
  Sustain Cell Rate (SCR)= 0
  Maximum Burst Size (MBS)= 0
My Login= user@isp.ch
My Password= *****
Idle Timeout (sec)= 0
IP Address Assignment= Dynamic
IP Address= N/A
Network Address Translation= SUA Only
  Address Mapping Set= N/A

Press ENTER to Confirm or ESC to Cancel:
  
```

Transparent Routing Mode Konfiguration

Diese Variante findet Verwendung, wenn vom Provider ein ganzer Public IP-Range zur Verfügung steht, welcher den Servern hinter dem Router zugewiesen werden soll. Die erste Public IP bleibt für den Router reserviert.



Menü 4: Encapsulation = **PPPoE** (oder PPPoA, je nach Provider), Benutzer und Passwort eingeben, IP Address = **Dynamic** und NAT = **None**

```

Menu 4 - Internet Access Setup
ISP's Name= MyISP
Encapsulation= PPPoE
multiplexing= LLC-based
UPI #= 8
UCI #= 35
ATM QoS Type= UBR
Peak Cell Rate (PCR)= 0
Sustain Cell Rate (SCR)= 0
Maximum Burst Size (MBS)= 0
My Login= user@isp.ch
My Password= *****
Idle Timeout (sec)= 0
IP Address Assignment= Dynamic
IP Address= N/A
Network Address Translation= None
Address Mapping Set= N/A

Press ENTER to Confirm or ESC to Cancel:
    
```

Menü 3.1: DHCP = **None**, IP Address = **200.10.10.1** (erste Public IP) und entsprechende Subnet Mask eingeben.

```
Menu 3.2 - TCP/IP and DHCP Setup

DHCP Setup
  DHCP= None
  Client IP Pool Starting Address= N/A
  Size of Client IP Pool= N/A
  Primary DNS Server= 0.0.0.0
  Secondary DNS Server= 0.0.0.0
  Remote DHCP Server= N/A
TCP/IP Setup:
  IP Address= 200.10.10.1
  IP Subnet Mask= 255.255.255.224
  RIP Direction= Both
  Version= RIP-2B
  Multicast= None
  IP Policies=
  Edit IP Alias= No

Press ENTER to Confirm or ESC to Cancel:
```