

# JOIN THE SUPER HIGHWAY

**PhoneWorld Internet**

In Partnership with  
TalkTalk Telecom LLC

PhoneWorld LLC  
c/o TalkTalk Telecom LLC  
P.O. Box 1359  
CH-6301 Zug  
Fax: 0800 300 151  
E-Mail: connect@phoneworld.com

## Internet Application Form

**First- / last name\*:** \_\_\_\_\_  
**Street / no.\*:** \_\_\_\_\_  
**Postal code / city\*:** \_\_\_\_\_  
**Contact no.\*:** \_\_\_\_\_  
**Customer no.:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

### DSL connection\*:

Telephone number to connect:  
\_\_\_\_\_

### Initiation\*:

- As soon as possible  
 Date: \_\_\_\_\_  
(This can take 10 to 20 days)  
 I would like to have DSL installed for me  
(Additional charge)

### Change of provider\*:

- I have no DSL on the number mentioned above.  
 I have already DSL and wish to change from  
following provider to PhoneWorld's DSL:  
\_\_\_\_\_ Date: \_\_\_\_\_

### Annual subscription\*:

- ADSL max. 1000/100 for CHF 34.- / month**  
 WLAN Modem (supplied at CHF 49.-)  
 **ADSL max. 5000/500 for CHF 48.- / month**  
 Free WLAN Modem  
 **VDSL 20000/1000 for CHF 69.- / month**  
 Modem (supplied at CHF 399.-)

### Billing Period

The DSL connection will be charged, starting from the activation date of Swisscom.

### Cancellation

This contract has a duration of 12 months. If you wish to cancel, you must do so in writing (registered post recommended) 60 days prior to the end of the contractual term; otherwise, the contract will be prolonged for another 12 month term. If the notice takes place before expiration of the agreed minimum period or not on an agreed upon date, reimbursement of the pro rata amount is not possible.

### Preselection

This offer is only valid for pre-selected customers of PhoneWorld. Customers currently not pre-selected with PhoneWorld may register also by agreeing herewith to appoint PhoneWorld (or its designated pre-select carrier) as provider for all national and international long-distance telecommunications per telephone numbers listed above.

I accept price and conditions as well as the general terms and conditions of TalkTalk Telecom LLC. Address: Poststrasse 18, P.O. Box 1359, CH-6301 Zug. Fax: 0800 300 151.

**City / date\*:** \_\_\_\_\_ **Signature\*:** \_\_\_\_\_

## VDSL Speed

VDSL stands for 'Very high bit-rate Digital Subscriber Line'.

VDSL operates over the copper wires in your phone line in much the same way that ADSL does, but there are a couple of distinctions. **VDSL can achieve incredible speeds**, as high as 52 Mbps **downstream** (to your home) and 16 Mbps **upstream** (from your home). That is much faster than ADSL, which provides up to 8 Mbps downstream and 800 Kbps (kilobits per second) upstream.

But VDSL's amazing performance comes at a price: **It can only operate over the copper line for a short distance**, about 4,000 feet (1,200 m).

The key to VDSL is that the telephone companies are replacing many of their main feeds with fiber-optic cable. In fact, many phone companies are planning **Fiber to the Curb (FTTC)**, which means that they will replace all existing copper lines right up to the point where your phone line branches off at your house. At the least, most companies expect to implement **Fiber to the Neighborhood (FTTN)**. Instead of installing fiber-optic cable along each street, FTTN has fiber going to the main junction box for a particular neighborhood.

By placing a VDSL transceiver in your home and a **VDSL gateway** in the junction box, the distance limitation is neatly overcome. The gateway takes care of the analog-digital-analog conversion problem that disables ADSL over fiber-optic lines. It converts the data received from the transceiver into pulses of light that can be transmitted over the fiber-optic system to the central office, where the data is routed to the appropriate network to reach its final destination. When data is sent back to your computer, the VDSL gateway converts the signal from the fiber-optic cable and sends it to the transceiver. All of this happens millions of times each second!

**ENJOY THE NEW SUPER HIGHWAY AND MAIL/FAX YOUR APPLICATION FORM TODAY.**