

Providers

The basic supply is generally provided by:

Deutsche Telekom AG

Phone: +49 (0)681-840-3530

(same number for all municipalities)

e-mail: T-DSL-Ausbau-Suedwest@t-com.net

(same ID for all municipalities)

www.telekom.de

Kabel Baden-Württemberg GmbH & Co. KG

Im Breitspiel 2-4

69126 Heidelberg

Phone: +49 (0)6221-333-0

Mr. Herkommer: +49 (0)6221-333-1050

www.kabelbw.de

Further providers for wireless access, power lines and

satellite: www.clearingstelle-bw.de

The Clearing House – Overview

www.clearingstelle-bw.de

Contact Person

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(Mayor's Office Mönchweiler)

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Ministerium für Ernährung und Ländlichen-

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(Ministry for Nutrition and Rural Areas Baden-

Württemberg, Dep. 42)

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Members



Akademie Ländlicher Raum
Baden-Württemberg
(Academy for Rural Areas Baden-
Württemberg)

www.laendlicher-raum.de



Arbeitskreis Mediendörfer
(Working Group Media Villages)

www.mediendoerfer.de



Gemeindetag Baden-Württemberg
(Local Authorities Association Baden-
Württemberg)

www.gemeindetag-bw.de



Landesanstalt für Kommunikation
Baden-Württemberg (LFK)
(Office for Communication Baden-
Württemberg)

www.lfk.de



Ministerium für Ernährung und
Ländlichen Raum Baden-Württemberg
(Ministry for Nutrition and Rural
Areas Baden-Württemberg)

www.mlr.baden-wuerttemberg.de

Cover picture: fiber glass © Deutsche Telekom AG

Clearing House „New Media in the Rural Areas”



Information for municipalities

Ladies and Gentlemen,

decisive for the economic power and
competitiveness of a region are
infrastructures like the road network
and railway systems as well as the
data highway.



The latter plays a more and more important role for the
information exchange between companies and citizens.
For this reason, the economy as well as the authorities
need faster, high-performance information technologies
which can refer to grid-bound or non grid-bound data and
information transfer. Only those who are in the vanguard
of technological progress can keep pace with the national
and international competition.

The objective of creating homogenous living standards in
urban and rural areas makes it necessary to supply not
only conurbations but also the rural areas with a modern,
high-capacity and cost-effective communication infra-
structure.

As diversified as the rural areas of the State is the supply
rate with new media. In order to do justice to this
situation also considering the complex market after the
privatization – I founded the Clearing House „New Media
in the Rural Areas”. It supports all municipalities when it
comes to improving their communication infrastructure
free of charge. After a first analysis to get an overview,
which is carried out together with the municipality, it
chooses one of the technologies like, for instance,
wireless access, power supply lines, TV and telephone
lines in order to consolidate the new media equipment.

Peter Hauk MdL

Minister for Nutrition and Rural Areas

Baden-Württemberg

Member of the Parliament of Baden-Württemberg

The extension of the infrastructure in the municipalities in order to transfer digital data is a big challenge for the towns in the rural areas. It is a main element of the future-oriented focus of municipalities and is therefore becoming more and more important.



A fast internet connection has become an essential economic factor. Also the municipalities' citizens need always higher bandwidths in order to transfer data for their day to day work.

Also in the rural areas, there are different technological systems to access the data highway. This results in a new task for the towns and municipalities, namely to choose the right private provider and the best technical solution for those areas not connected yet.

The Clearing House „New Media in the Rural Areas“, which was founded in 2004, supports the municipalities. It organizes contacts between technical providers and municipalities. In many cases, solutions have already been found and prepared. Furthermore, the Clearing House organizes events in the rural areas on a regular basis and also provides the municipalities with its technical know-how.

We are convinced that it is possible to connect also the rural areas to the broadband technologies of the future in order to maintain and increase the competitiveness of the municipalities.

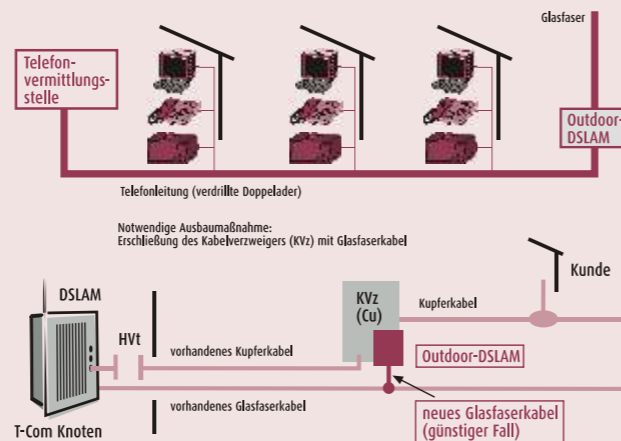
Friedrich Scheerer
Mayor of the municipality Mönchweiler,
Leader of the Clearing House

The Telephone Line (xDSL)

The classic telephone line can also be used for a broadband internet access. The different digital technologies are subsumed under the term xDSL. DSL is the abbreviation for „Digital Subscriber Line“, the x stands for the different variants. The coverage and the possible data rate of xDSL depend on the distance. At the moment, the network providers try to expand their xDSL networks to areas not supplied so far.

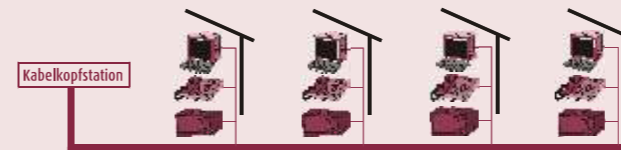
The following access points have been established, especially for the questions of municipalities regarding the availability of T-DSL:

1. e-mail: T-DSL-Ausbau-Suedwest@t-com.net
2. Contact via telephone: +49 (0)681-840-3530



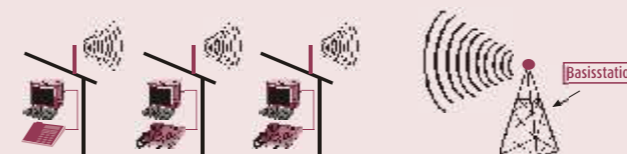
The Broadband Cable

The broadband cable – often only called „cable“ – uses an own network to transfer data. The network consists of optical fiber and coaxial cables. For some time now, the cable network providers have been expanding the cable network. This refers to the expansion of the capacities and the integration of a backward channel in order to be able to transmit, apart from TV programs, also telephone and internet. So the expanded cable is the infrastructure with the highest performance. Unfortunately, it is not available everywhere, and the connection of areas which do not have broadband access so far requires excavations, something that the broadband network provider can only afford if there are also other construction measures going on.



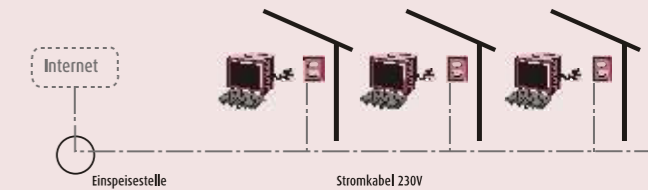
Wireless Solutions (WiMAX etc.)

Apart from wire-bound solutions for connecting companies and private customers to the internet, there are also wireless solutions. This refers to variants and further developments of the WLAN standard. The new developments are marketed under the name of WiMAX (Worldwide Interoperability for Microwave Access). Depending on the technology used and the size of the area to be supplied, one or several base stations are required to which the users are connected then. The users need a small antenna on their building in order to communicate with the base station.



The Power Supply line

Almost every building and house has a power supply line. For this reason, it suggests itself to use power supply lines for the internet connection. For some time now, there have been commercial solutions for this purpose, known under the name of Powerline Communication (PLC). Since the data are transferred by means of power supply lines, no other cables are required. For the same reason, no excavations are required for PLC.



The Satellite

Originally, the satellite was only supposed to transfer signals (especially for the TV). Apart from the backward channel for telephone established some time ago, companies and private customers can transfer data from the internet by means of a satellite antenna on their building. So the satellite also provides a fast, bidirectional internet access. However, these solutions are relatively expensive and only profitable in some special cases.

