INTERNETTELEPHONY
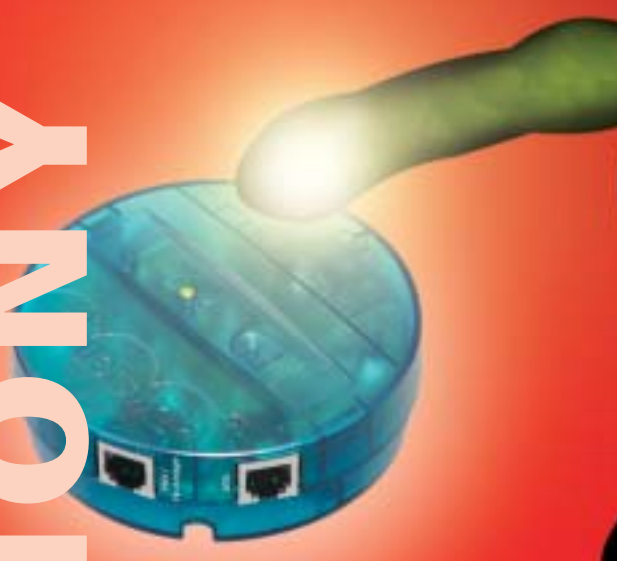
INTERNET**TE**

The difference between traditional telephony and Internet telephony lies in the way calls are transmitted. Instead of going via a "normal" analog or ISDN line, the Internet connection (Voice over IP) is used.

There are many providers who offer VoIP solutions, enabling Internet telephony via a DSL line at very little cost or no cost at all. With these services, you are assigned a specific number that allows you to make and receive calls on a land-line. All providers offer so-called ATAs (analog telephone adapters), which are required to connect a traditional analog telephone to a DSL modem or router.

Sounds good, but there's one problem: If you're already using a convenient PBX system with extensions, you will no longer be able to benefit from low-cost Internet telephony when calling from one of the normal extensions. And you will no longer have a switchboard feature.

… now with Auerswald Box

Simply the best – the Auerswald Box solution. It lets you make calls via the Internet from any of the phones connected to your existing telephone system. There's no need to compromise – you can continue to enjoy your telephone's many familiar features and ease of use.

Auerswald Box combines traditional telephony and Internet telephony, providing a simple connection between two worlds. The Box brings Voice over IP to your PBX system.

PBX system   Auerswald Box   AT

Internal extensions
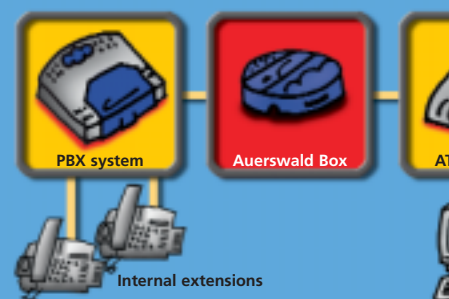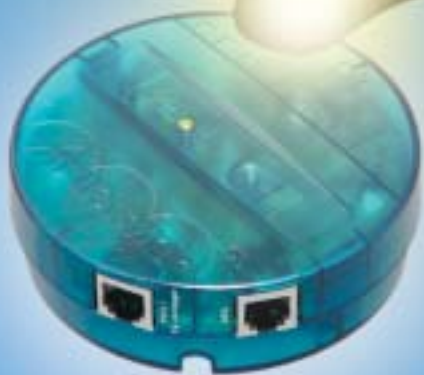
LEPHONY

All users of your PBX system can now enjoy the benefits of IP telephony, or even make international calls for free via the Internet.

Simply connect your Auerswald Box to the analog ATA extension and an analog extension on your PBX system. No need to change any settings when configuring the Auerswald Box – your Auerswald PBX system is ready to go! Other manufacturers' phone systems are also quick and easy to connect.

And why not save money when calling from your mobile? To call from a mobile phone via your Internet connection, simply enable the Call Through function on your Auerswald PBX system.

IP telephony for free – Auerswald makes it possible. Have a look at the details on the back of this brochure and see for yourself how simple it is!

And here's yet another highlight:

If you frequently call friends, family or your company nearby, why not use your Auerswald Box to link two PBX systems via an analog extension?***

*   Applies if you already have a contract with a VoIP provider and when calling numbers within the same provider network or partner network.

** Requires a PBX system with analog extensions and a functioning ATA (analog telephone adapter) from your VoIP provider.

*** Please note the legal regulation governing telephone connections beyond property boundaries.

TA + router **DSL modem** **Internet provider**

PC

The Future is Now!

Auerswald Box lets you call the world for free* – Voice over IP now available for your PBX system!**

- Low-cost or even free* calls using your current PBX system!**

- Low investment costs – ready-to-use straight away.

- You can even reduce the cost* of calling from your mobile phone using the PBX system's Call Through function.

- Call family, friends and business partners abroad for free* at any time!

- Transfer Internet calls to other extensions within your internal telephone network!

- Link two PBX systems!***

INTERNET TELEPHONY using Auerswald Box
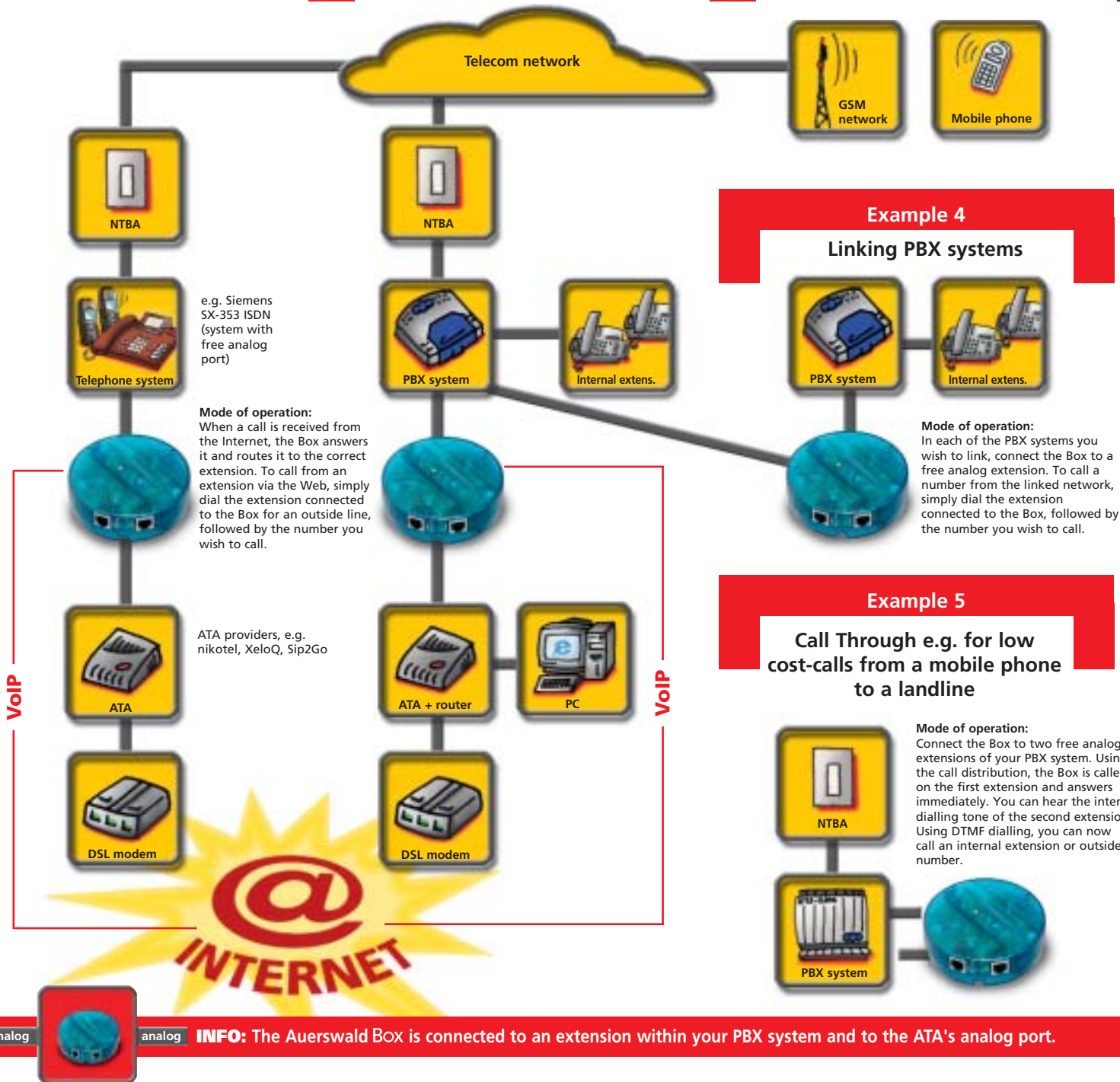## A box with many options!

Example 1
DECT IP telephony using an existing PBX system

Example 2
Internet telephony (VoIP) using an existing PBX system

Example 3
Call Through for Internet telephony from a mobile phone network

Telecom network

GSM network

Mobile phone

NTBA

NTBA

Example 4
Linking PBX systems

e.g. Siemens SX-353 ISDN (system with free analog port)

Telephone system

PBX system

Internal extens.

PBX system

Internal extens.

Mode of operation:
When a call is received from the Internet, the Box answers it and routes it to the correct extension. To call from an extension via the Web, simply dial the extension connected to the Box for an outside line, followed by the number you wish to call.

Mode of operation:
In each of the PBX systems you wish to link, connect the Box to a free analog extension. To call a number from the linked network, simply dial the extension connected to the Box, followed by the number you wish to call.

Example 5
Call Through e.g. for low cost-calls from a mobile phone to a landline

Mode of operation:
Connect the Box to two free analog extensions of your PBX system. Using the call distribution, the Box is called on the first extension and answers immediately. You can hear the internal dialling tone of the second extension. Using DTMF dialling, you can now call an internal extension or outside number.

ATA providers, e.g. nikotel, XeloQ, Sip2Go

VoIP

ATA

ATA + router

PC

VoIP

NTBA

DSL modem

DSL modem

PBX system

@INTERNET

analog | analog | **INFO:** The Auerswald Box is connected to an extension within your PBX system and to the ATA's analog port.

Technical data:
Operating voltage: analog port of PBX system (min. 20 mA, loop current, 20 V)
System connection: analog port of PBX system
Case: ABS, 2 parts
Dimensions: Ø 95 mm x 33 mm
Weight: app. 100 g
Colour: blue, translucent
Safety: CE

Scope of supply:
1 standard Auerswald Box
2 connection cables
1 instruction manual
Wall mount kit (wall plugs, screws, drilling template)

www.auerswald.com

Please note:
To use free Internet telephony, a broadband Internet connection and a suitable rate are required (e.g. a DSL flat rate), which may incur additional costs. Only calls made to numbers within the same SIP network or a partner network are free of charge. Please contact your SIP provider for details.

With the Auerswald ISDN PBXs COMpact 2204 USB, COMpact 2206 USB, COMpact 4410 USB, COMpact 4406 DSL, COMmander Basic and COMmander Basic 19" a configuration of the Auerswald Box is not necessary, because the functions baby call / senior call of the system could be used to transfer an incoming Internet call directly to an internal subscriber or group.

The full range of functions described in this brochure may only be available if your entire phone system, and a linked PC if required, have been installed and configured by a professional. We recommend asking your specialist dealer for advice. For some functions, specific services will need to be activated by your network operator. The Auerswald Box is not intended for use on the public telephone network.

Your dealer:

02/2005   97008

Auerswald ®
Simply Clever PBX Systems