Communication Devices
for the Fleet

A selection of products for buses
and large-capacity vehicles

pei tel
people. innovation. safety.

So that Loudspeaker Announce-ments have a Clear Message

Microphone and loudspeakers are matched to one another

- Handsets also control other vehicle accessories
- Gooseneck microphones are always at hand

Long-Lasting and Pleasant

Quality you can grasp and feel

All portable devices from pei tel have an ergonomic shape and a pleasant surface in common. When selecting materials, particular emphasis is placed on their 'haptic' qualities.
Further criteria are their robustness and longevity. Occasionally, a micro-phone may even survive the vehicle!

- Haptic comfort is a must
- Ergonomic and compact design
- Robustness for rough environments and sustainable use

Clear Understanding

Voice and playback quality

Many years of experience characterise the audio quality of pei tel products. A broad spectrum of microphones is avail-able to choose from for a wide range of applications, such as radio and public address systems. Up to three buttons, a variety of gooseneck and connector shapes can be combined with existing models.

- A choice of different dynamic and electret microphone heads is offered for gooseneck mounting
- pei tel's microphones, loudspeakers and handsets have been specially adapted for use in conditions in-volving traffic and other transport situations

A Range of Models

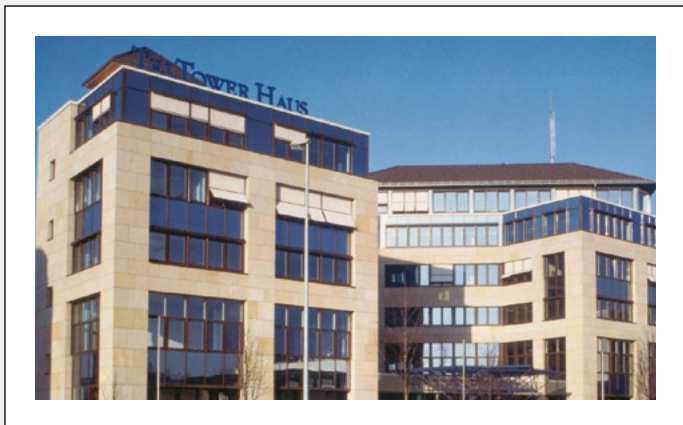The number of buttons is decisive

pei tel's handsets are continuously being improved and further developed to meet customer needs. Earpieces and microphone capsules are matched to one another and, if necessary, ambient noise compensation is added, so that even under the most adverse circum-stances communicating partners can understand each other and announce-ments come across clearly.
From a simple handset with PPT buttons, to connections via radio, or complex handsets with colour display, keypad and navigations buttons, a diverse port-folio of models is available to choose from.

- Long-standing experience and continuous improvements
- Certified workflows are used consistently

pei tel in Teltow, near Berlin
The pei tel in TelTower House

The Brandenburg-based company pei tel has again moved its headquarters in Teltow, now representing an area of about 14,530 square feet. This is shared between development, sales and production departments.
pei tel was founded in 1991 as a peiker sales office for the new federal states in Teltow and is now an independent member of the peiker group of companies. In 2006, the company was first certified according to DIN EN ISO 9001, which since then has shaped the workflow and procedures decisively.

Principles of the quality management system at pei tel:

- Continuous improvement of existing processes
- Efficient implementation of needs regarding processes
- Inspection/review of product quality
- Corresponds and complies to DIN EN ISO 9001

Communication Solutions
Specifically designed for traffic and transport

pei tel has established itself as a specialist for communication solutions and has made a name in the areas of public transport, BOS radio communications, conference and public address facilities and professional mobile radio.
The product portfolio includes various types of microphone and loudspeakers, handsets for mobile and professional radio, as well as special communications and telematics solutions, which are mainly used in the areas of transport and BOS (police, fire department, authorities).
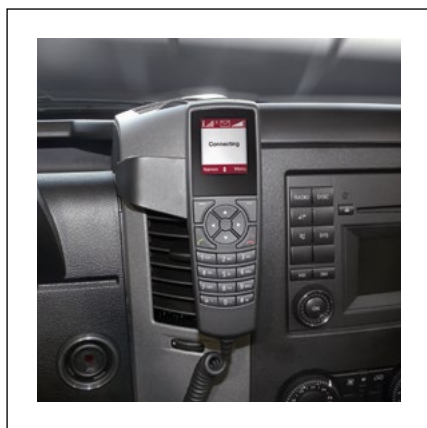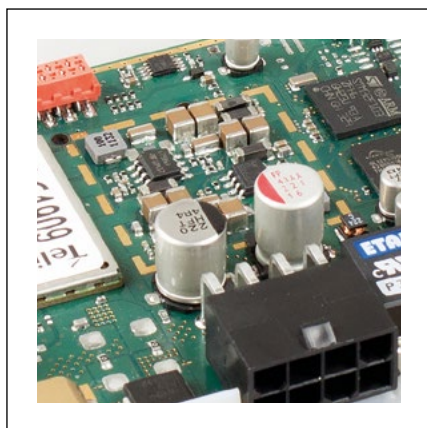
- Microphones for all areas of application: hand-held microphones, hands-free systems, handsets, and remote speaker microphones
- Speakers for a wide range of applications: from horn loud-speakers for PA systems to small loudspeakers for hands-free systems
- Equipment which is suitable for various types of vehicle: Trains, buses, trucks, cars and airplanes

- Telematics solutions unite multiple technologies
- Complex systems, which are versatile to customize

System Solutions

Specifically designed and yet individual

The system solutions from pei tel integrate multiple technologies. Thus, many areas of application can be addressed with the help of these solutions which are designed, developed and produced by us.

For example, the PTCarPhone Systems combine the technologies of telematics (telecommunications and computer science). Also, hands-free systems and other features of a traditional built-in car phone are integrated into these devices. In addition, you can also manage phone directories, set preferences, and - thanks to GPS - compile and record positions using remote control software from the comfort of your desk.

The PTCarPhone

More than just a car phone

pei tel's proven PTCarPhone can also be built into buses. The car phone has a fixed telephone number allocated to the bus and provides first-class telephony services. In addition, its freely programmable digital I/O's make it possible to function as a signalling device for external equipment or to control other applications.

- Extensive range of accessories, including a second handset, headset connecting cable and gooseneck microphone
- High-level audio quality of the hands-free kit and the handset
- Improved reception quality thanks to the external antenna

Technologies

From the peiker group of companies

The peiker group of companies provides a wide range of technologies. With the LTE-WLAN hotspot for example, the technologies WLAN, Bluetooth® and LTE are introduced into motor vehicles. The hotspot is characterized by ease of installation. Up to 8 mobile devices, such as smartphones and tablet PCs are connected via WLAN and a handset via Bluetooth®. Thanks to an integrated battery, it can also be removed temporarily and used outside the vehicle.

The AGC microphone amplifier supplements a simple omnibus announcement system by the sophistication of digital data processing and thus helps to improve communication.

The Product Range at a Glance
A selection from the product portfolio — other products are available upon request.

Handsets & More

Handset HA5
Handset with large PTT button and cradle

- With PEIGUM® spiral cable and RJ50 connector
- Elegant design and excellent surface feel
- Ideal for installations with limited space
- Dynamic earpiece
- Noise-compensating microphone capsule
- Wear-free hook recognition with magnetic contact of cradle A58

Handset HA11
Handset with one button and cradle

- Handset with PEIGUM® spiral cable and cradle
- Large push-to-talk button underneath
- Connection via screw-down terminal strip in the cradle
- Dynamic microphone and ear capsule
- Cradle with handset release buttons

Handset HA26
Handset with up to three buttons

- Handset with PEIGUM® spiral cable and cradle
- Large push-to-talk button underneath
- Unidirectional noise compensating electret microphone capsule and dynamic ear capsule
- Choice of cradle with hook detection and force release mechanism or release button

Handset HA57 SDK
Handset HA57 with colour display, numeric keypad, PTT button and flash memory for one application

- With PEIGUM® spiral cable and RJ50 connector
- 1.8 inch colour display with 262,144 colours
- Flash memory for one customer-written application and integrated microcontroller
- Dynamic ear capsule and noise-compensating microphone capsule
- Wear-free hook recognition with magnetic contact of cradle A58

Hands-free microphone EM7
With omnidirectional directivity

- Electret or dynamic microphone capsule
- Solid plastic housing
- Microphone pre-amplifier
- For area monitoring and recording systems e.g. air traffic control

Loudspeaker KL1
Dynamic loudspeaker optimised for radio

- Very rugged plastic housing
- Durable plastic speaker membrane
- Small design for easy installation
- Frequency range optimized for radio communication
- Flexible mount
- Variations with 4 and 8 Ω impedance
- Optional version with integrated amplifier
- For mobile and fixed applications

And other products are available on request!

Gooseneck Microphones & Microphone Heads

Gooseneck microphone TM310 with switch
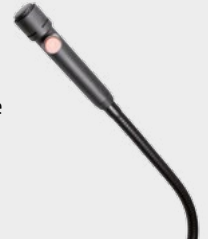The new microphone for bus fleets

- Unidirectional dynamic microphone capsule
- Rugged housing with gooseneck
- Very long life sliding switch
- Suitable for radio and PA systems in mobile and fixed applications
- Especially suited for driver's cabs in buses

Gooseneck microphone TM110 SH
Gooseneck microphone with one button

- Unidirectional dynamic microphone capsule
- Rugged housing with gooseneck
- Very long life switching contact
- Suitable for radio and PA systems in mobile and fixed applications

Microphone head TM168
Unidirectional high noise capsule

- Dynamic microphone capsule
- Chromed housing
- Designed for gooseneck mounting
- Desktop microphones in indoor applications

Microphone head TM660
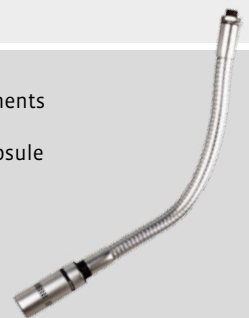Microphone head for large vehicles

- Unidirectional dynamic microphone capsule
- Chromed housing
- Designed for gooseneck mounting
- Suitable for radio and PA systems in mobile and fixed applications
- Especially suited for large vehicles

Gooseneck microphone TM810 SH
Gooseneck microphone for harsh environments

- Unidirectional dynamic microphone capsule
- Rugged chromed housing
- Protected against metal dust (INTERCEPT) and splashed water
- Suitable for radio and PA systems in mobile applications
- Especially suited for use in railway and industrial systems

Dynamic twin microphone head TM2000
Two independent microphone capsules with unidirectional noise cancelling

- Chromed housing
- Designed for gooseneck mounting
- Usage example: Simultaneous recording on or talking to two devices
- Especially suited for large vehicles

Gooseneck microphone ME253
Ground-free for mounting in large vehicles

- Unidirectional electret microphone capsule
- Solid plastic housing with gooseneck
- With mounting bracket BW3
- Suitable for radio and PA systems in mobile and fixed applications

Bus Products from pei tel

- Gooseneck microphones
- Hands-free microphones and loudspeakers
- Handsets
- System solutions

The Success Characteristics of pei tel Products
The right device for every field of application

Handsets
- First-class audio quality – with noise compensation
- Large PTT button for right and left-handed users
- Excellent feel and an easy-to-handle design
- Tried and tested PEIGUM® spiral cable

Microphones
- Solid workmanship and superb audio quality
- Wide-range of products for a wide range of applications
- Robust and durable

Loudspeakers
- A wide range of application options
- Developed specifically for use in motor vehicles

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