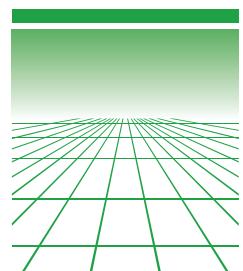


# Hearing and following phone conversations at a volume that suits you



Comfort telephones  
and telephone  
amplifiers for all who  
require relaxation  
and comfort when  
phoning

HUMANTECHNIK – Your partner  
for audiological products







There are many possibilities to significantly improve understanding on the telephone.

Welcome to solutions that fulfil your listening requirements.

Telephony is a natural form of contemporary communication of particularly high importance. This applies both to people with normal hearing and those with impaired hearing – and there is no reason why the latter should do without the pleasure of carefree chatting.

**Relaxed telephone calls despite reduced hearing ability**

If you wear a behind-the-ear-hearing aid and had to use a normal standard telephone so far, you will know that the handling – in particular the positioning of the telephone receiver at the microphone of the hearing aid – is quite uncomfortable. Furthermore the different telephone models differ significantly from each other when it comes to sound quality, and very often when using a mobile phone a disturbing whistling sound makes the conversation quite unpleasant.

We at HUMANTECHNIK offer a wide range of systems that meet the diverse requirements of individual hearing needs so that even people with impaired hearing can phone in a relaxed manner.

**Hearing aids, CI systems and complementing audiology technology: a good team for confident phoning**

Most people with impaired hearing who decide in favour of supporting technology for making phone calls wear hearing aids or CI systems. Therefore the majority of amplifying systems (among others) a priori integrate interfaces for the



transmission to hearing aids – for example for a wireless inductive transmission to the hearing aid or for directly connected monaural or binaural cables.

Against this backdrop it is therefore a good condition if hearing aids have one or better two interfaces to external audio systems:

- a so-called telephone coil that receives audio signals inductively
- and an audio input.

The integrated telephone coil offers additional hearing comfort exceeding the process of understanding on the telephone – for example in public amenities that are equipped with inductive loop systems.

For inductive hearing – switch to position »T« (telephone coil) on the hearing aid – only the signal of the telephone is received. Noises will be perceived at best from the surroundings, for example for hearing aids with open ear mould or having the switch set to »MT« which permits both reception types, microphone and teleloop, simultaneously.

Especially for **wearers of cochlea implants (CI)** the possibilities to receive inductive signals and to connect audio accessories are of significant importance. If a direct linking of audio devices by means of a euro plug is not possible, it is recommended to use an adapter, the so-called »audio shoe«. This comes with the respective audio input jack and can be fitted quite simply on the hearing aid and also be removed again.

Many times very small hearing aids do not permit the installation of the T-coil and audio input components due to lack of space. Speak to your specialist dealer for hearing aid audiology and he will give you extensive advice which hearing aid suits your requirements best – also in terms of »telephony«.

**Better understanding on the telephone thanks to acoustic amplifying**

Not every system for better understanding on the telephone implies wearing a hearing aid. Depending on hearing requirement and degree of hearing loss it is also recommended to use an amplified loudspeaker signal of the receiver, via a headset, headphones or earphones.

HUMANTECHNIK therefore offers you in this catalogue different solutions that can support phoning, independently from a hearing aid – from sound-amplifying phones and telephone amplifiers in different models to an extensive range of accessories.

Welcome to good hearing and clear understanding on the telephone.



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»flashtel comfort 3«:  
an elegant telephone to  
hear clearly, modern  
telephony with  
total comfort



# flashtelcomfort3

»flashtel comfort 3« – it defines making telephone calls with the latest technology. This phone impresses right from the start, all thanks to its comfortable operation and tremendous audio amplification.

The design recreates the classic telephone design with a horizontal receiver in a modern elegant shape. The shape, design and the



»flashtel comfort 3« – one of the most elegant corded telephones for people hard of hearing, for the home or for integration into the telephone system at the workplace.

function allow a series of individual adjustments to the personal telephone, for example:

- suitable for left and right handers: simple re-plugging of the receiver into the left or the right connection port
- individual volume and ringer settings
- Option to connect to various audio components
- compatible with hearing aids and CI-systems

»flashtel comfort 3« is available even with the Bluetooth function!

Making phone calls with Bluetooth components offers more comfort. If you can talk on the phone hands-free and move about without any restrictions, like to make a cup of tea, you can be much more relaxed while talking. In this way »flashtel comfort 3« offers a new perspective for comfortable telephony.

**Absolutely perfect: using, recognising, understanding**

Large buttons with clear, legible letters and digits, simple operator guidance, clear high-contrast character display on a large screen and excellent sound for crystal clear understanding. Simple telephony: »flashtel comfort 3«

»flashtel comfort 3« the essential characteristics:

- Audio amplification adjustable up to +30 dB
- Treble/ bass adjustment + /- 20 dB
- inductive hearing with hearing aids or CI systems with the help of integrated magnetic field generator
- Audio-out ports: 2.5 mm for headsets, 3.5 mm jack for headphones
- Hands-free function
- Caller-ID adjustable: acoustic and/or via a light signal
- several ringtones and melodies to choose from
- Port for vibrating pad
- adjustable speech output signal strength (normal/strong)

- 6 speed dial numbers
- electronic phonebook for 50 entries
- Redial option for the last ten made calls
- compatible with conventional telephone systems
- large self-illuminating black & white LCD display with high-contrast display with a large font
- Display of missed calls
- Powercut bypass
- **Optionally available with Bluetooth function (»flashtel comfort 3 BT«),** for example for using Bluetooth Headsets (hand-free calling – Accepting a call and making calls – even from larger distances from the receiver).

Dimensions (LxBxH):	101 x 180 x 210 mm
Weight:	820 g
Amplification factor:	30 dB
Power supply unit, primary:	100 - 240 V, 50/60 Hz
secondary	7.5 V DC, 300mA



For right handers and ...



... for left handers: simply re-plug the receiver.



Inductive hearing with hearing aids or CI systems having a T-coil



Jacks for headsets and headphones ...

... and integrated Bluetooth function for hands-free calling using a wireless headset.





The new generation  
of amplifying  
large-button telephones  
creates comfort that  
gets you connected.



Clear understanding,  
confident conversations:  
»scalla« transforms one  
of the most versatile  
concepts for amplified  
telephones into  
intelligent top notch  
technology.

# scalla<sup>2</sup>

»scalla« – an appealing intelligent  
telephone concept with state-of-  
the-art technology – especially  
for people with reduced hearing  
ability

»scalla-2« represents the latest  
generation of large-button comfort  
telephones. Both impress with an  
appealing intelligent concept and  
state-of-the-art technology.

## Powerful sound and more

Thanks to highly effective hearing  
amplification, the »scalla« series  
offers clear and powerful sound  
rendering for good understand-  
ing. The integrated magnetic field  
generator for inductive direct trans-  
mission to hearing aids or CI  
systems, the option to connect  
different hearing components and  
comprehensive functions for a more  
comfortable operation give »scalla«  
a flexibility fulfilling almost all hear-  
ing requirements and needs.

Large buttons with a concave sur-  
face and clearly legible, illuminated  
digits support also give more confi-  
dence when dialling.



Thanks to embedding the speed  
dial reference list in the bottom part  
of the receiver, the user can bring the  
list close to his eyes without having  
to bend down to the phone.

## »scalla-2«: features:

- Adjustable amplification  
up to +40 dB
- Treble/Bass control
- Inductive hearing with hearing  
aids or CI systems
- Two connection jacks:  
2.5 mm for headsets,  
3.5 mm for headphones etc.
- Hands-free mode
- Acoustic signalling of  
incoming calls and also by  
a flashing light
- Call tone adjustable in pitch  
and volume
- Connection for vibration pad  
and/or module for signalling  
of incoming calls
- Eight photo speed dial buttons

- Numerical speed dial buttons  
(four speed dial buttons)
- Redial
- Silent mode
- Large self-illuminating black-  
white LCD display with angular  
adjustment, high-contrast and  
large font.
- Electronic phone book for  
99 entries.

Dimensions (h x w x d):	210 x 227 x 70 mm
Weight:	965 g
Amplification factor:	up to +40 dB
Power supply with power supply unit, primary:	100 - 240 V, 50/60 Hz / 150mA
secondary	7.5 V DC, 500mA



»scalla-3 combo«:  
A stationary comfort  
phone with emergency  
call function and  
cordless base



»scalla-3«, the base station with  
extensive convenient features

The portable scalla-3 handsets offer  
the same features of convenience as  
the stationary telephone - including  
the emergency call button.

# scalla<sup>3</sup> combo

»scalla-3 combo« – is the combination of a stationary comfort phone of the »scalla« series with a cordless secondary station, including emergency call function.

The standard scope of delivery of the »scalla-3 combo« includes the stationary convenience telephone »scalla-3« as a base station and a portable handset.

This combination of a landline telephone and a wireless telephone means significantly more flexibility for convenient telephoning. The portable handset sports the same practical features as the stationary

telephone - including the emergency call button.

The base station can be utilised with up to 5 portable handsets.

The emergency call function is of particular importance in the mobile concept, as you can carry the handset on you and always have the emergency call button at hand.

## »scalla-3 combo« and its main features:

- Emergency call function with up to 5 emergency numbers; if the number called is busy »scalla-3« automatically dials the next number.
- Emergency call button at the stationary phone and handset

- Large illuminated black and white LC display with high-contrast large letters and adjustable angle
- Large and clearly structured dialling and function keys with excellent haptic distinction
- 8 image dial buttons
- numbered quick dial buttons
- Electronic phone book for 30 entries
- Phone contacts can be entered using own voice or sound recordings
- inbuilt speech generator for the narration of digits, telephone numbers, functions and display information over the loud-speaker
- clear and powerful sound rendering for good understanding, hearing amplification adjustable up to +40 dB

- inductive hearing with hearing aids or CI systems
- two connectors: 2.5 mm for headsets, 3.5 mm for headphones etc.
- Treble/Bass control
- digital answering machine with excellent voice quality
- Redial
- mute function
- Hands-free mode
- Acoustic signalling of incoming calls and also by a flashing light
- connector for vibrating pad or modules for call alerting
- Call tone adjustable in pitch and volume
- Can be extended with up to 5 handsets.

Technical data	Fixed station
Dimensions (h x w x d):	210 x 227 x 70
Handset:	
Weight:	978 g
Amplification factor:	up to +40 dB
Power supply mains unit, primary:	100 - 240 V, 50/60 Hz / 150mA
secondary:	7,5 V DC, 1 A
Technical data	Handset
Dimensions (h x w x d):	47 x 110 x 155
Handset:	185 x 55 x 34
Weight:	172 g
Amplification factor:	up to +40 dB
Power supply mains unit, primary:	100 - 240 V, 50/60 Hz / 150mA
secondary:	7,5 V DC, 1 A





### freeTEL III:

Enjoy a cordless phone with the comfort of easy understanding

### freeTEL III

The cordless comfort phone, optional also with Bluetooth function: Especially for people with hearing aids a new dimension opens up – clear understanding on the phone

People with hearing aids or wearers of CI systems might have never understood their conversation partners clearer before than with the »freeTEL III«. The optimised technical strategy of inductive hearing reaches an impressively high quality.

However, if you prefer to phone without your hearing aids, you can still enjoy top-notch acoustic rendering:

- Infinitely adjustable volume up to 40 dB
- Supported by a dynamic treble/bass adjustment with  $\pm 20$  dB
- Hands-free mode
- Connection jacks: 2.5 mm for headsets, 3.5 mm for headphones
- Answering machine

- Optional Bluetooth function, for example for using Bluetooth headsets (hands-free phoning), taking calls – also from larger distances to the receiver.
- Microphone amplification for an enhanced output signal

The slim functional design of the receiver has an integrated large colour display (28 x 35 mm) thus permitting space for a large keypad with clearly structured dialling and function keys, of which the haptic distinction is excellent.

The concept of the freeTEL III supports an overall relaxed and comfortable feeling while phoning – for example with these features:

- Multiple signalling of incoming calls: extra loud ringtone, light signal, vibration impulses
- Basis station for connecting a vibration pad or other modules for signalling
- Can be extended with up to five additional stations
- High-contrast illuminated colour display (28 x 35 mm) with large font

- Redial
- Easy operation with clear menu navigation
- Direct access to the electronic phone book for 100 entries at the touch of a button
- Stand-by: 100 hours
- Max. radio range 50 m within buildings and max. 300 m outside
- DECT- and GAP standard
- Low radiation during use thanks to dynamically controlled emission
- No permanent radiation! receiver switches off automatically.

#### Base station:

Dimensions (hwxwd):	116 x 138 x 86 mm
Weight:	224 g
Power supply with power supply unit, primary:	100 - 240 V, 50/60 Hz / 150mA
secondary	7.2 V DC, 500mA

#### Handset

Dimensions (hwxwd):	178 x 51 x 33 mm
Weight:	175 g (incl. battery pack)
Amplification factor:	up to +40 dB
Power supply:	NiMH size AAA, 1,2V, 700mA







**freeTELEco**

Amplifying cordless telephones for the decisive extra individual freedom of movement



Extension handset: a freeTELEco base station can be operated with up to 5 extension handsets



Amplifying cordless telephones, competitively priced and efficient, with or without answering machine

**freeTELEco**

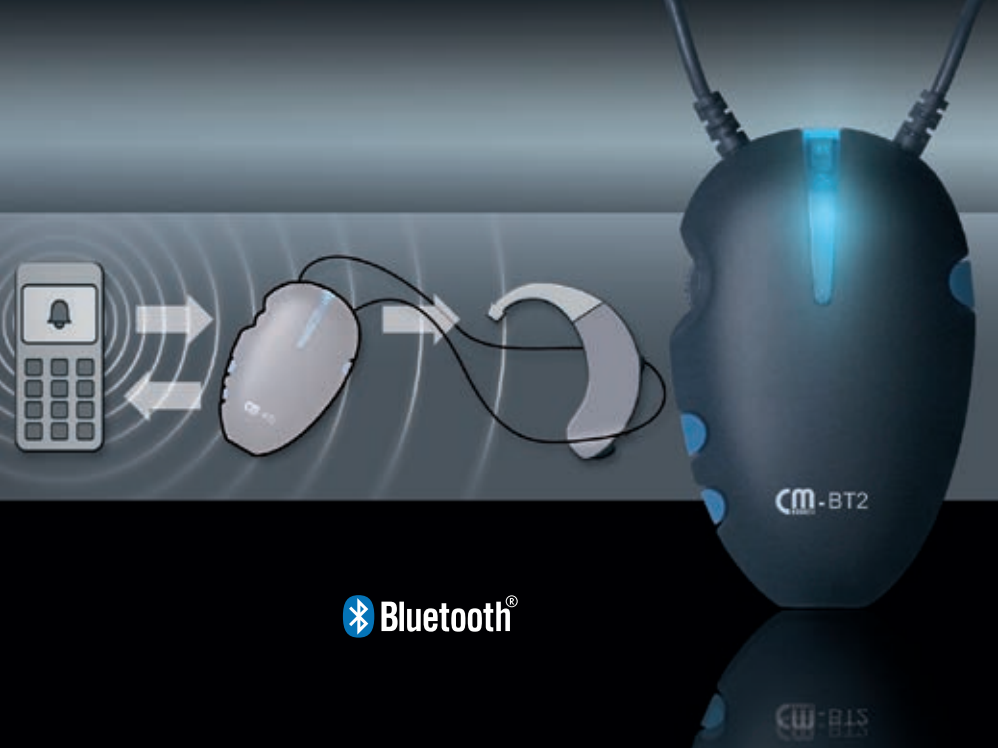
freeTELEco is the range of cordless telephones with all up-to-date features - at an attractive price.

Base station:	
Dimensions (LxBxH):	130 x 135 x 60 mm
Power supply unit, primary:	100-240V AC 5; 0/60Hz
secondary:	7.5 V DC / 500mA
Portable part/receiver	
Dimensions (LxBxH):	185 x 55 x 34 mm
Weight:	174 g (including battery)
Amplification:	up to +30 dB
Erweiterungsstation:	
Dimensions (LxBxH):	47 x 110 x 155 mm
Power supply unit, primary:	100 - 240 V; 50/60 Hz / 150mA
secondary:	7.5 V DC
Portable part/receiver	
Dimensions (LxBxH):	185 x 55 x 34 mm
Weight:	172 g (including battery)
Amplification:	up to +30 dB

Users of hearing aids and Cochlear Implants, whose systems are equipped with a T-coil, can conveniently listen to the freeTELEco via induction. With the adjustable amplification of the conversation partner with up to +30 dB, the freeTELEco also offers clear understanding over the telephone's speaker.

**freeTELEco in overview:**

- DECT-/ GAP-standard
- optionally with- or without answering machine
- amplification of up to +30 dB, in 5 levels
- hands-free function
- compatible with hearing aids (inductive hearing)
- emergency call function by protected SOS button
- operation of up to 5 extension sets
- LC-Display with large digits (adjustable contrast)
- large buttons with easily discernable printing, electronic phone book for 50 entries, automatic logging of in- and outgoing phone calls
- complementing visula call alerting with flashes of light
- redial function
- easy handling with distinct menu navigation
- stand-by of up to 180 hours
- signal range: up to 50 metres indoors, up to 300 metres in open air
- call alerts: 10 ringtones and melodies for choice, adjustable volume



**Bluetooth amplifier**

**CM-BT2**

Mobile telephony – more comfortable than ever

When your mobile rings you do not even need to touch it to take the call – provided that your mobile has a Bluetooth interface. If so, just press a button on the CM-BT2. As a hands-free device for mobile phones it also has an inbuilt microphone apart from audio rendering.

Via the firmly attached teleloop the CM-BT2 transmits the voice of the caller inductively to hearing aids or CI systems or via additional connected hearing components, for example headphones (sound pressure level for headphones up to 118 dB) or induction couplers (monaural/ binaural) and Euro cables (monaural/ binaural).

The CM-BT2 permits infinitely variable volume control and offers a differentiated range of sound with the treble-bass switch.



The CM-BT2 can be connected with the Bluetooth-enabled »freeTEL III« and »flashtel comfort 3 BT«.



Headsets and amplifiers ...

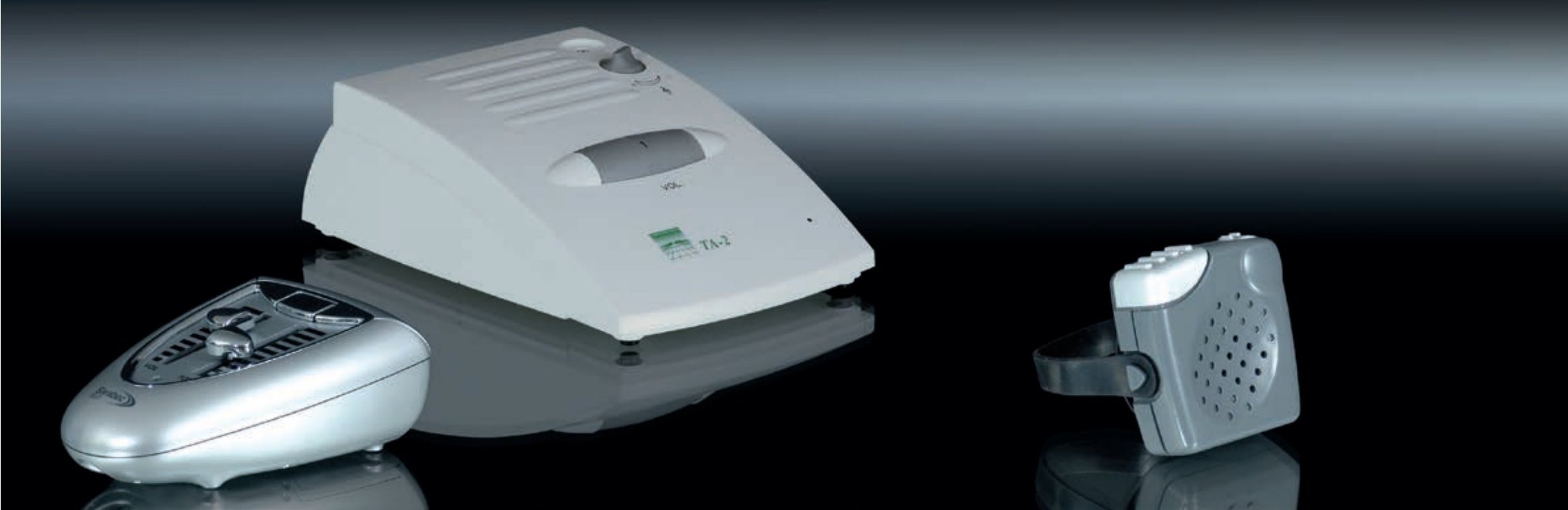
... for more variety and clear understanding – even in acoustically challenging situations







Telephone amplifiers:  
How to lend a  
»powerful voice« to  
standard phones



Inline telephone amplifiers

Inline amplifiers are connected between the receiver and the telephone set. Hereby your normal telephone is turned into a telephone that comfortably compensates for light to medium hearing impairment.

PL-51 · TA-2

The Inline telephone amplifiers  
PL-51 and TA-2:

- Can be connected to all contemporary, stationary telephones with a standard plug connection between the telephone and receiver
- Infinitely adjustable volume up to + 35 dB, direct to the receiver
- Treble/bass adjustment
- Battery operated (TA-2 also with power supply unit)
- Direct transmission to hearing aids via an audio shoe
- Connection jack for the teleloop, binaural/monaural cables, headsets



The Inline telephone amplifier **PL-51** also has additional amplification. Keeping the amplifier button pressed doubles the set volume.

Technical Data PL-51:	
Dimensions (hwxwd):	40 x 70 x 105 mm
Weight:	122 g
Amplification:	35 dB
Power supply:	2 x 1.5 V batt. (AA)
Technical Data TA-2:	
Dimensions (hwxwd):	52 x 115 x 157 mm
Weight:	253 g
Amplification:	35 dB
Power supply primary:	power supply unit 100 - 240 V 50/60 Hz, 180mA
secondary: or power supply:	9 V DC, 300mA 4 x 1.5 V batt. (AA)

Portable telephone amplifier,  
acoustic and inductive for stand-  
ard stationary corded telephones  
– ideal while travelling

PL-10

Handy, portable and flexible for use: The **PL-10** gives a lot more to volume of stationary standard telephones in a trice. It can be easily attached over the speaker on the receiver using the attachment strap. Switch it on, set the volume to suit your needs and you'll be able to understand the other person straight away.

The **PL-10** is designed as an acoustic amplifier (+25 dB) and as an inductive coupler (max. 400mA/m) at the same time. It generates a loop signal thus transmitting the sound inductively to your hearing aid or CI system with T-coil.



Technical Data PL-10	
Dimensions (hwxwd):	53 x 48 x 26 mm
Weight:	41 g
Amplification:	acoustic approx. +25 dB 25 dB
inductive:	max. 400 mA/m
Power supply:	1 x battery (AAA)



PL-10 delivery contents: Telephone amplifier, battery, leather case as well as a spare attachment strap





Welcome to good  
hearing and  
clear understanding  
on the telephone



# HUMANTECHNIK

**HUMANTECHNIK GmbH**

Im Woerth 25 · D-79576 Weil am Rhein  
Phone: +49 (0) 76 21 / 9 56 89 - 0  
Fax: +49 (0) 76 21 / 9 56 89 - 70  
Internet: [www.humantechnik.com](http://www.humantechnik.com)  
E-mail: [info@humantechnik.com](mailto:info@humantechnik.com)



## Stationary phones, with cord Order number

■ scalla-2 Large-button comfort telephone with amplification and display A-4566-0

■ scalla-3 combo A-4568-0

Additional mobile handset for scalla-3 combo with desktop charger A-4628-0

■ flashtel comfort 3 BT **with** Bluetooth function A-4543-0

■ flashtel comfort 3 **without** Bluetooth function A-4542-0

## Large-button cordless telephones Order number

■ freeTEL III cordless DECT telephone A-4604-0

■ freeTEL III/BT cordless DECT telephone, with Bluetooth A-4605-0

Additional handset for freeTEL III/BT with desktop charger A-4624-0

■ freeTELEco cordless DECT-Telephone A-4616-0

Additional receiver for freeTELEco A-4627-0

## Telephone hearing amplifier Order number

■ PL-10 Portable telephone hearing amplifier A-4502-0

■ PL-51 Telephone hearing amplifier (inline) with batteries A-4506-0

■ TA-2 Telephone hearing amplifier (inline) with plug-in mains adapter A-4512-0

■ CM-BT2 Bluetooth receiver with teleloop and recharger cable A-4547-0

## Ergänzende Hörkomponenten/ Zubehör Bestellnummer

1 Under-the-chin receiver, closed system A-4803-0

2 Earphones, discreet shape A-4904-0

3 Lightweight headphones, classic shape A-4905-0

4 Teleloop, stereo (1 m) A-4927-0

5 Induction couplers monaural A-4925-0

6 Induction couplers binaural A-4926-0

7 Euro cable monaural, damped A-4940-0

8 Euro cable binaural, damped A-4950-0



People who use a wireless Humantechnik alerting system can receive the incoming call signals of their telephones everywhere as light or vibration impulses.

»iBell-2«, the call annunciator for mobile phones, displays every call signal with bright running light. It can also be integrated into the »lisa RF« or »signalux« signal systems. So their receivers also report the call signals from mobile components.

Your specialist dealer offers you extensive and qualified advice.