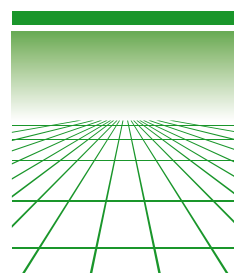


Hearing and following phone conversations at a volume that suits you



**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



Connecting different hearing components is possible. For example: Head- or earphones, inductive teleloops and induction couplers. (see P. 16)

Inductive hearing via the integrated telephone coil

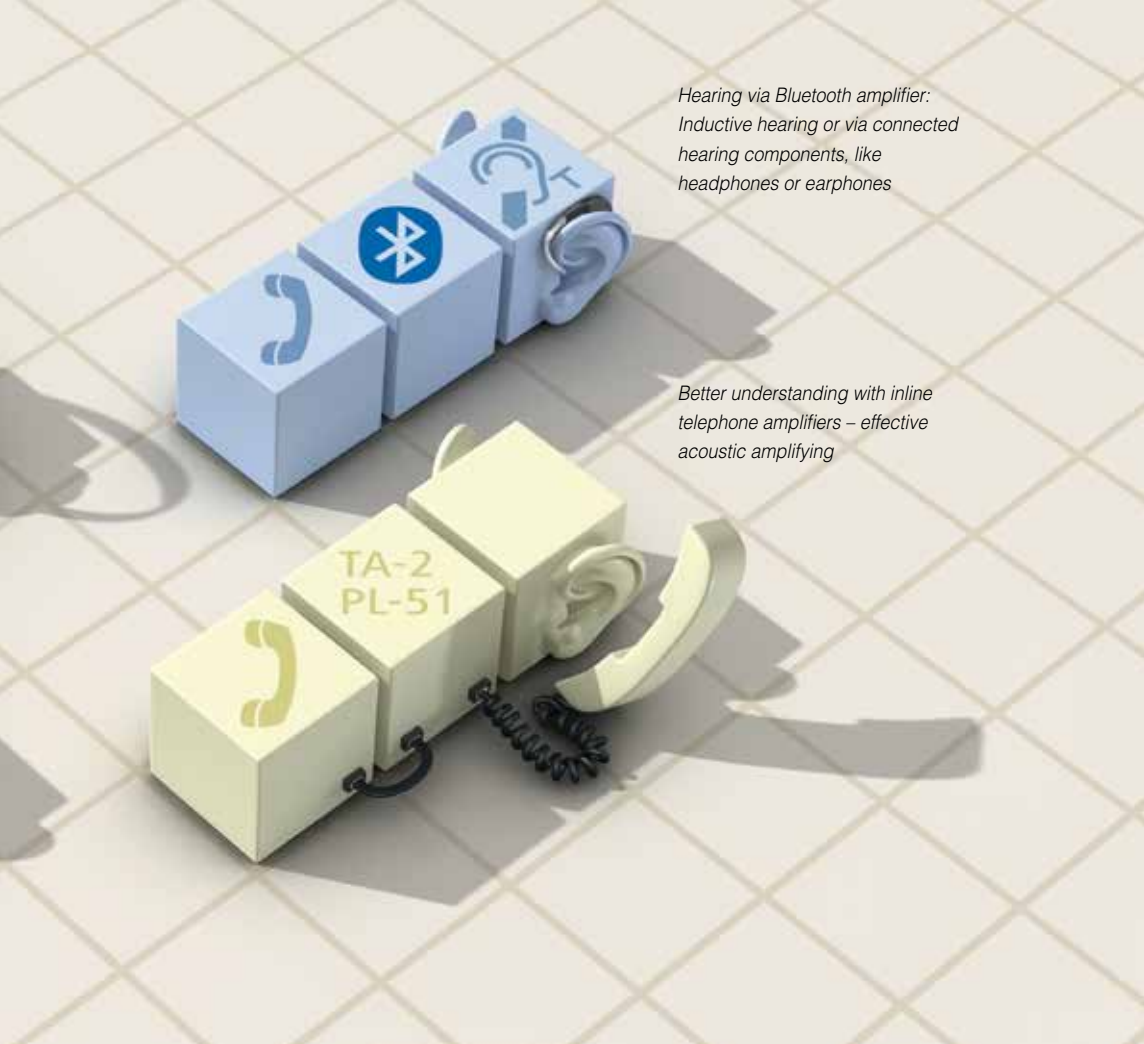
transmission to hearing aids – for example for a wireless inductive transmission to the hearing aid or for directly connected monaural or binaural cables.

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.



Hearing via Bluetooth amplifier:
Inductive hearing or via connected
hearing components, like
headphones or earphones

Better understanding with inline
telephone amplifiers – effective
acoustic amplifying



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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 or a special bone-conduction receiver.

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.



vegas

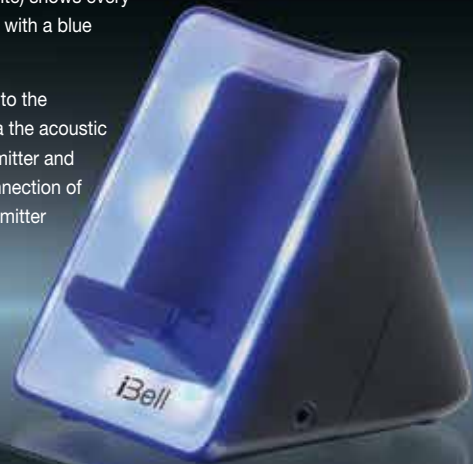


sydney



iBell: The call alert for mobile phones (colours black or white) shows every ringing of the phone with a blue light signal.

It can be included into the signalling system via the acoustic *lisa* RF phone transmitter and also permits the connection of external signal transmitter modules.





These mobile phones give a completely new meaning to »freedom of speech«.

No matter how you like to phone, there is a mobile solution with profile for everybody! Following this motivation, HUMANTECHNIK has developed two mobile phones the design of which is completely different from each other: »sydney« and »vegas«. With regard to their features, both models are similar and represent the technical standard of up-to-date GSM communication technology.

Major feature: Both mobile phones are designed especially for people with reduced hearing ability. The requirements and demands of the older generation amalgamate in this concept.

sydney

»sydney« has the classic design of a compact mobile phone. The keypad and a 2 inch colour display (5.08 cm / 176 x 220 Pixel) are situated at the front in the usual manner. The logically structured menu helps the user to find his way intuitively and the accompanying user manual leaves no questions unanswered. Large buttons with clearly legible lettering, their »handy« shape and their clear graphic and haptic separation from each other facilitate a safe operation.

When open, »vegas« reveals its keypad with large keys that are perfectly distinguishable even in haptic terms. The colour display (2" / 5.08 cm) supports operation with menu graphics in clear shapes and colours and large, high-contrast alphanumeric symbols.

»sydney« and »vegas« – main features at a glance:

- Headset connection (2.5 mm)
- Hands-free mode
- Inductive hearing
- Adjustable amplification > 30 dB
- Treble/Bass control
- Bluetooth
- Emergency key
- Call tone adjustable up to 100 dB
- Vibration alarm
- Redial
- Silent mode
- SMS function
- Phonebook memory for 200 entries

vegas

»vegas«, the clamshell mobile phone is a truly elegant item to hold with a soft, wave-like shape. It combines elegance and exclusive design with the overall comfort of a contemporary GSM mobile phone.

vegas	
Dimensions (hxwx):	96 x 57 x 24 mm
Weight:	104 g (incl. battery pack)
Amplification factor:	> 30 dB
Power supply charger, primary:	100 - 240 V, 50 - 60 Hz / 200mA
secondary	Mini-USB 5 V, 500mA
sydney	
Dimensions (hxwx):	134 x 50.5 x 17 mm
Weight:	101 g (incl. battery pack)
Amplification factor:	> 30 dB
Power supply charger, primary:	100 - 240 V, 50 - 60 Hz / 200mA
secondary	Mini-USB 5 V, 500mA



»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 word go, 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

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« – 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.

»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 devices 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 vibrator pad
- adjustable speech output signal strength (normal/strong)

- 6 speed dial numbers
- electronic phonebook for 50 entries
- Redial option for the last made ten calls
- compatible to connect to the 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):	96 x 178 x 21 mm
Weight:	900 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.



scalla

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

»scalla-1« and »scalla-2« represent 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 understanding. The integrated magnetic field generator for inductive direct transmission 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 hearing requirements and needs.

Large buttons with a concave surface and clearly legible, illuminated digits support also give more confidence when dialling.

With two models, »scalla-1« and »scalla-2«, the series offers choices also in terms of cost – with identical acoustic / audiological strengths.





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



**»scalla-1« and »scalla-2«:
common 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



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.

- Eight photo speed dial buttons
- Numerical speed dial buttons (»scalla-1«: ten / »scalla-2«: four speed dial buttons)
- Redial
- Silent mode.

»scalla-2«: Distinguishing features in relation to the basic model:

- Large self-illuminating black-white LCD display with angular adjustment, high-contrast and large font.
- Electronic phone book for 99 entries.

Dimensions (hxxwxd):	210 x 227 x 70 mm
Weight:	scalla-1: 790 g / scalla-2: 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



scalla³ 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.

»scalla-3«, the stationary basic telephone of »scalla-3 combo« represents the top model of the scalla series. The handset offers the same comfort features like the stationary phone thus extending your movement radius tremendously.

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.
- clear and powerful sound rendering for good understanding, hearing amplification adjustable up to +40 dB
- inductive hearing with hearing aids or CI systems
- Treble/Bass control
- digital answering machine with excellent voice quality

- Phone contacts can be entered using own voice or sound recordings
- Electronic phone book for 30 entries
- Redial
- Hands-free mode
- Acoustic signalling of incoming calls and also by a flashing light
- Call tone adjustable in pitch and volume
- LCD display, high-contrast and large font
- Large and clearly structured dialling and function keys with excellent haptic distinction
- Emergency call button at the stationary phone and handset
- Can be extended with up to 5 handsets.

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



New!



freeTELEco

Amplifying cordless telephone for more unrestricted movement



Additional receivers: A freeTELEco base station can be operated with up to 5 additional stations

Amplifying cordless telephone, cost-effective and high-performing, with and without answering machine

freeTELEco

freeTELEco is the cordless telephone series with all the modern performance features – for an attractive price. For both the models, the one with an answering machine (black) and the one without an answering machine (white), the relevant additional stations are available.

People with hearing aids and CI-systems, whose systems are equipped with a T-coil, can comfortably “hear inductively” with freeTELEco. With an adjustable amplifier in the receiver for the voice of the person on the phone up to +30 dB, freeTELEco also offers clear understanding over the receiver loudspeaker.

Overview of freeTELEco:

- DECT-/ GAP-Standard
- Optionally available **with** or **without** an answering machine
- Audio amplification up to +30 dB, adjustable in 5 levels
- Hands-free function
- compatible with hearing aids (inductive hearing)
- Emergency call function via a protected SOS button
- Operation with up to 5 extension stations
- LCD screen with large digits (contrast adjustable)
- large buttons with easily readable letters,
- electronic phonebook for 50 entries (10 VIP numbers), automatic storage of incoming and outgoing calls
- Call signals: 10 ringtones and melodies to choose from, volume adjustable
- additional visual call signalling with light flashing
- Redial option
- Simple operation with a user-friendly menu navigation
- Standby: up to 180 hours
- Wireless range:
 - max. 50 m in buildings,
 - max. 300 m in open space

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





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 ± 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 (h x w x d):	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 (h x w x d):	178 x 51 x 33 mm
Weight:	175 g (incl. battery pack)
Amplification factor:	up to +40 dB
Power supply:	NIMH size AAA, 2V, 700mA

freeTEL III:

Enjoy a cordless phone with the comfort of easy understanding



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

PL-51:

Dimensions (hxwx):	40 x 70 x 105 mm
Weight:	122 g
Amplification:	35 dB
Power supply:	2 x 1.5 V batt. (AA)

TA-2:

Dimensions (hxwx):	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)

PL-10:

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

CM-BT2:

Dimensions (hxwx):	79 x 48 x 19 mm
Weight:	49 g
Sound pressure level (headphones):	max. 118 dB
Inductive amplification:	max. 400mA/m
Power supply:	3.7 V, 450mAh LiPo battery pack



Inline telephone amplifiers

PL-51 und TA-2

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.

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.

Portable telephone amplifier, acoustic and inductive for standard 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.



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





Headsets and amplifiers ...

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

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 Set contains the Bluetooth hearing amplifier with teleloop and battery pack, two chargers, 230 V and 12 V, as well as USB charging cable.



The CM-BT2 can be connected with the Bluetooth-enabled »freeTEL III« as well as the mobile phones »sydney« and »vegas«.



The USB Bluetooth adapter establishes the radio wireless contact to the CM-BT2 for PCs without Bluetooth interface.



Welcome to good hearing and clear understanding on the telephone



At a glance: the HUMANTECHNIK programme for making calls without any hassles

Mobile phones	Order number
■ »sydney« (compact mobile phone)	A-4650-0
■ »sydney« bag (leather)	A-4654-0
■ Replacement desktop charger for »sydney« (without power supply unit)	A-4651-0
■ Replacement power supply unit for »sydney«	A-4652-0
■ Replacement battery pack for »sydney«	A-4658-0
■ »vegas« (clamshell mobile phone)	A-4660-0
■ Replacement desktop charger for »vegas« (without power supply unit)	A-4661-0
■ Replacement power supply unit for »vegas«	A-4662-0
■ Replacement battery pack for »vegas«	A-4668-0
■ Car charger for mobile phones (sydney and vegas)	A-4659-0
Stationary phones, with cord	Order number
■ scalla-1 Large-button comfort telephone with amplification	A-4565-0
■ 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
■ freeTELEco cordless DECT-Telephone with answering machine	A-4615-0
■ freeTELEco cordless DECT-Telephone without answering machine	A-4614-0
■ Additional receiver for freeTELEco with answering machine	A-4627-0
■ Additional receiver for freeTELEco without answering machine	A-4626-0
■ freeTEL III cordless DECT telephone	A-4604-0
■ freeTEL III/BT cordless DECT telephone, with Bluetooth	A-4605-0
■ Additional handset for freeTEL III with desktop charger	A-4623-0
■ Additional handset for freeTEL III/BT with desktop charger	A-4624-0
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-4903-0
2 Earphones, discreet shape	A-4904-0
3 Lightweight headphones, classic shape	A-4905-0
4 Bone-conduction receiver	A-4909-0
5 Teleloop, stereo (1 m)	A-4927-0
6 Induction couplers monaural	A-4925-0
7 Induction couplers binaural	A-4926-0
8 Euro cable monaural, damped	A-4940-0
9 Euro cable binaural, damped	A-4950-0
10 USB Bluetooth adapter	A-4938-0



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