



xepton^{NX}

With a wide range of hardware combination options, »xepton-NX« offers a configuration-flexible system for a wide range of applications. From unidirectional tour guide systems and interpreter applications to professional dialogue and intercom configurations, the system proves to be a convenient solution - both for portable use and when using stationary components.

The large transmission range that „xepton-NX“ opens up is a feature of quality. This results in a highly differentiated, sonorous and »lively« speech transmission.

The system consists of a pocket transmitter, two receiver types – pocket receiver and stethoset receiver – and a transceiver for mobile dialogue applications. A stationary transmitter is also available.

Light in weight and compact in design, the transmitters and receivers, including a stethoset receiver, are comfortable to wear.

The menu of the components, which can be accessed via the display, is navigated via three keys and is so conveniently structured that literally anyone can operate it.

Both types of application – unidirectional and bidirectional – allow parallel communication in several groups, for example simultaneous moderation in different languages or simultaneous tours of several groups in close proximity.

Encryption for more security in communication

If you wish to add components to an existing encrypted »xepton-NX« system group - as recommended in security-sensitive and/or confidential environments, for example - a special app for configuring the encryption is available.



The system

»xepton-NX« – moderation and communication system for clear, lively voice transmission

- Clear speech intelligibility, even within enormous environmental noise
- Discreet moderation in places that do not permit noisy guided tours
- One-way or two-way operation offers flexibility in a variety of applications
- Two different receiver types, pocket receivers and stethoset receivers
- Stable audio connection
- Interference-free radio transmission with crystal-clear sound
- Up to 80 m range indoors or outdoors
- Easy to use
- Status indicators via LCD display
- Up to 10 hours transmission time and 15 hours reception time per battery charge
- Connection possibility for different hearing components such as headset, headphones, earphones or neckloops for inductive audio transmission to corresponding hearing components



»xepton-NX« – the state-of-the-art in mobile audio transmission technology

Basic components of the wireless moderation and communication system »xepton-NX« are pocket transmitter and pocket receiver, a transceiver for dialogue applications as well as a stationary transmitter for moderation, interpreter services or other applications in auditoriums.

Part of the scope of delivery of the mobile components (fig. left) is – with the exception of the stethoset receiver – also a belt clip for attachment to clothing.

Corresponding connection sockets on the TX and TRX mobile voice transmitters allow connection to standard headsets or microphones and headphones. The RX receiver has standard connection sockets for hearing components such as headphones or earphones.

Integration of deaf people with CI-supply or of hearing aid users

Connecting a neckloop to the RX receiver opens the system for the option of »inductive listening«. The neckloop generates inductive audio signals and transmits them wirelessly to personal audiological hearing systems such as conventional hearing aids or cochlear implant systems (CI) with integrated T-coil. This way, wearers of CIs or people with hearing aids can also be included into hearing the presentations.

The stethoset receiver

An exception in the receiver design is the RX-U stethoset receiver. This has been designed as a closed compact receiver with integrated loudspeaker earbuds and is not encryptable.

»xepton-NX«

Portable communication system, configurable for individual tasks

- Large transmission range
- Highly differentiated, sonorous and »lively« speech transmission
- Easy to use
- Belt clip for pocket transmitter and receiver for attachment to clothing



Fig.: stationary transmitter »xepton-NX« TR



For typical dialogue applications, such as team communication in sports or in a professional-industrial environment, the use of several TRX transceivers is recommended.

When set up as an intercom system, up to 3 transceivers per group can transmit simultaneously and 8 groups with up to 100 assigned devices can be realised. Only three buttons are needed to control the device via an LCD displayed menu. A further button activates and deactivates the speech function when pressed.

Specifications: »xepton-NX« TRX, Transceiver	Item no.: A-5100-0
Dimensions (W x H x D)	50 x 88 x 17 mm
Weight	88 g
Transmission frequency	863-865 MHz
Transmission power	10 mW
Latency	< 50 ms
Number of channel groups	8
Audio transmission frequency range	100 Hz to 7 kHz
Power supply	Li-ION 3,7 V / 1100 mAh
Antenna	Internal spiral antenna
Transmission time per charge	average of 10 hours.
Transmission range	up to 80m
Standard scope of delivery	soft carry case with portable Transceiver xepton-NX TRX, Headset HSB-01, USB-charging cable, neck strap, user manual, warranty card

Preliminary specifications; subject to change

For unidirectional applications in which the »xepton-NX« TRX transceiver serves as a transmitter, the following receivers are available:

»xepton-NX« RX, Pocket receiver	Item no.: A-5120-0
»xepton-NX« RX-U, Stethoset receiver	Item no.: A-5125-0

The technical data and functions of these receivers, which have been specially designed for connection to the TRX, are identical to the receiver types described on pages 12/13. When ordering components in conjunction with the TRX transceiver, only the part numbers listed on this page apply!

Transceiver

»xepton-NX« TRX

- Ideal for dialogue applications, such as in sports, education or conferences
- LCD function display
- Handy, light and easy to use
- Simultaneous transmission for up to 3 »xepton-NX« TRX per group
- Operation in up to 8 groups with up to 100 integrated devices each