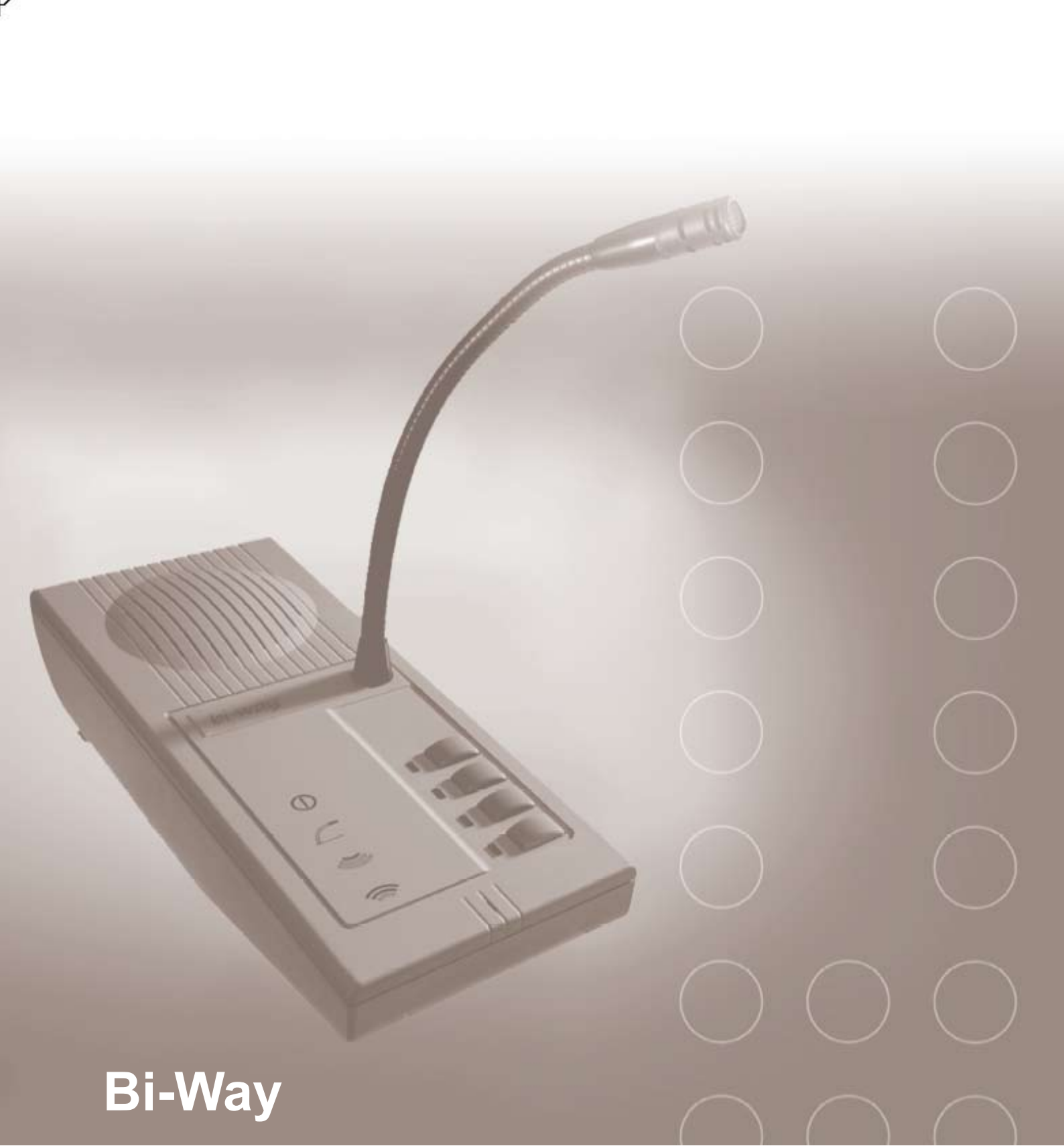


Bi-Way

Product Catalogue 2006



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Bi-Way:
Security Window Communication System

The **Bi-Way** system solves the communication problem between people on both sides of security glass partitions. The built-in duplex controller switches the speech direction to permit natural two-way conversation in varying noise levels, on either side of the counter, without push buttons.

System Description
The **Bi-Way** system provides a safe, hygienic, efficient and comfortable working environment for counter personnel and makes normal conversation and personal service possible, while maintaining security.

Bi-Way two-way conversation is suitable for communicating with your callers, visitors, interviewees or customers, and avoids the need for your employees and yourself at be put at risk. The system is renowned for its ,excellent sound quality.

Bi-Way starter pack

Operator's unit with built-in microphone, loudspeaker and four function buttons



Two loudspeakers



Power Supply



Uni-directional microphone to be mounted at the public side



The installation is easy and flexible – the operator's unit can be freestanding, wall or flush-mounted. The loudspeakers can be mounted to the glass, wall or desk on both sides of the public stand and the microphone is fixed to the glass by self-adhesive tape.

Accessories

A goose-neck microphone can be mounted to eliminate extreme ambient noise



A handset or headset with microphone can be used to eliminate noise, or for private conversations



A flush-mount frame should be used for built-in mounting



Standard loudspeakers may be substituted by a flush-mount type



To serve hearing disabled customers, a hearing aid amplifier and radiator loop pad can be added



Operation
In day to day use, the Bi-Way operator's unit is switched on, the sound is adjusted to a convenient level and the counter attendant is ready for the first customer. In addition to the on/off switch, you can set the unit to 'stand-by' mode – this will minimize the ambient noise from the public side in waiting periods. To increase the sound at the public side, a 'Push-to-talk' button will compensate for ambient noise, to attract attention or to serve people with reduced hearing. If a goose-neck microphone is mounted, you can toggle between this and the built-in microphone.



Application
Bi-Way is suitable for many applications:

Where there is danger
of robbery or violence like banks, post offices, ticket offices, cashier windows, petrol stations or offices for social services such as interview rooms

Where security has to be maintained
like passport controls, foreign offices, embassy receptions, guarded entrances and police stations to taxi offices, movie theatres, stadiums and theme parks

Where health issues exist
such as hospitals and medical centre reception areas

System Features

- Compact and easy to install
  – one person installation
- No holes required in the security glass
- Field of vision not obstructed
- Wide frequency range for optimal sound quality
- Design suits all decors





Bi-Way Starter Kit



LBB 7026/65

Bi-Way Starter Kit

This kit consists of an LBB 7026/60 Operator's unit, the LBB 7026/73 External microphone, the LBB 7026/80 Loudspeaker kit and the LBB 7102/60 Power supply. The Operator's unit includes a microphone select button for switching to an optional microphone, stand-by button to set the system in reduced volume listening mode, push-to-talk button and an ON/OFF button.



LBB 7026/60

Bi-Way Operator's Unit

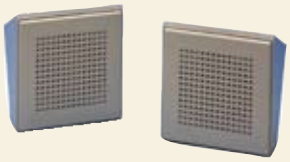
This unit contains all the electronics for one counter position including microphone and loudspeaker. The unit is designed for desk or flush mounting.
Size (WXHXD) in mm: 93 x 65 x 224 mm
Weight in kg: 0.3



LBB 7026/73

Bi-Way External Microphone

Uni-directional and noise cancelling microphone for connection to the operator's unit to improve flexibility.



LBB 7026/80

Bi-Way Loudspeaker Kit

2 loudspeaker cabinets with self-adhesive tape and 10 m flexible loudspeaker cable. Includes alco-pad for screen cleaning.
Size (WXHXD) in mm: 105 x 106 x 72
Weight in kg: 0.2



LBB 7102/60

Power Supply 12V/8W

230V AC, +6/-10%. 50/60 Hz. Double insulated and thermal fused.
Size (WXHXD) in mm: 100 x 51 x 63
Weight in kg: 0.5



LBB 7026/71

Bi-Way Gooseneck Microphone for Operator Console

Optional directional microphone for extreme noise conditions.
Frequency range: 100 - 10 000 Hz, impedance 1000 ohm.
Size (LxD) in mm: 320 x 12
Weight in kg: 0.1



LBB 7026/81

Bi-Way Flush-Mount Loudspeaker Kit

Optional 6 W loudspeakers for flush-mount applications in desk or wall.
Impedance: 20 ohm.
Size (Diam.xD) in mm: 160 x 58
Weight in kg: 0.7



LBB 7026/83

Bi-Way Headset

Headset with microphone for connecting to the Bi-Way operator's unit.
For illustration only. Supplied headset may have a slight different design.



LBB 7073/82

Handset with Cradle Kit

Optional handset for wall mounting in difficult noisy conditions or for situations where confidentiality is required.



LBB 7073/70

Flush-Mount Frame to Operator's Unit

Flush-mount frame for operator's unit. Desk or wall mounting.
Size (WxHxD) in mm: 130 x 265 x 18
Cut-out hole (WxHxD) in mm: 107 x 231 x 63



LBB 7073/61

Flush-Mount Back Box - 60 mm

For flush mounting of the Bi-Way operator's unit. Station cord and termination included.
The Bi-Way operator's unit need flush mount frame.
Size (WxHxD) in mm: 120 x 254 x 60
Cut-out hole (WxHxD) in mm: 108 x 234 x 60



LBB 7073/84

Cradle Bracket

For table-top use of the Bi-Way operator's unit.



LBB 7026/82

Bi-Way Hearing Aid Kit

Hearing aid loop antenna and amplifier.

To be used with 230 V/12 V AC, 8 W power supply.



LBB 7102/63

PSU, Hearing Aid Unit, 12 V AC

230 V/12 V AC. 8 W power supply with Euro-connector.



LBB 7102/64

PSU, Hearing Aid Unit, 12V AC

240 V/12 V AC. 8 W power supply with UK-connector.

Three inventive Norwegian companies have merged into a global market player for internal communication systems

Shortly after World War II, and independently of each other, three enterprising Norwegians started the development, production and marketing of internal communication systems. Gustav A. Ring (Ring-Master), Otto S. Knudsen (STENTOFON) and Max Manus (M100) put all their resources into the production of simple communication systems that soon caused a sensation in the intercom world. Tough competition between them inspired each to continuously develop new systems, features and solutions for an ever-increasing number of market segments and applications. In 1997 Ring-Master and STENTOFON merged to become Stento ASA. The M100 system produced and marketed by Philips was acquired in 1999. This combined the three strongest and most established Norwegian companies in the field of internal communication. Stento ASA merged with SAIT Radio Holland in May 2000 then, in December 2001, the company changed its name to Zenitel.

Zenitel has world-wide representation

zenitel

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Bi-Way products are developed and marketed by ZENITEL Norway AS. The company's Quality assurance System is certified to meet the requirements in NS-EN ISO 9001:2000.
ZENITEL Norway AS reserves the right to modify designs and specifications without prior notice, in pursuance of a policy of continuous improvement.