

Product Catalogue 2004



STENTOFON

communication & security systems

When

The leading international communication and security systems provider for professionals who depend on fast and reliable communication.

Communication

Verbal communication explaining the critical situation. It also includes signaling which triggers action.

Is Critical

Immediate contact without delay!

With over 100 years of experience, Zenitel CSS continues to be an international market leader in the field of integrated communication, information and security solutions for professional user groups who depend on fast and reliable communications. Typically, these will be groups involved in the protection of life,



health, environment and tangible assets.

One of the main strategies is to work closely together with a number of partners worldwide to market and distribute the solutions and products, and to provide the best possible customer service and technical support.

Our Products and Services

Our skilled engineers work on new products and enhancements to meet market demands. Zenitel ensures the communication solutions are based on the most advanced technologies capable of providing:

- *Superb voice quality.*
- *Hands free loud- or low speaking duplex operation to secure immediate communication.*
- *Single-touch keys provide faster, error-free dialing and display shows features and subscriber directories.*
- *Perform calls to local- and remote subscribers in a network, make group calls and public address announcements, join-in global conferencing and make external telephone calls.*
- *Extended integration of different kinds of communication and alarm systems, access control, CCTV, nurse call, etc.*
- *Flexibility to utilize and upgrade existing systems and networks.*
- *Increased strength to brand names. The business unit develops, markets and sells products produced by Zenitel as well as third party products.*
- *Customized terminals for special purposes in all segments.*
- *Highly skilled engineers are ready to provide the best service throughout the world.*

The business unit shall secure the customers' investment, distribute products worldwide, focus on human capital and obtain growth.



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Bi-Way 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. The Bi-Way starter pack consists of an operator's unit with built-in microphone, loudspeaker and four function buttons, and two loudspeakers and a microphone to be mounted at the public side. The installation is easy and flexible: The operator's unit can be free standing, wall or flush mounted. The loudspeakers can be mounted to the glass, wall or desk on both sides of the public stand. The microphone is fixed to the glass by self-adhesive tape.

Accessories

A variety of accessories are available to tailor the Bi-Way to local requirements. 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 and standard loudspeakers may be substituted by a flush-mount type. A hearing aid amplifier and radiator loop pad can be added to serve hearing disabled customers.

Operation

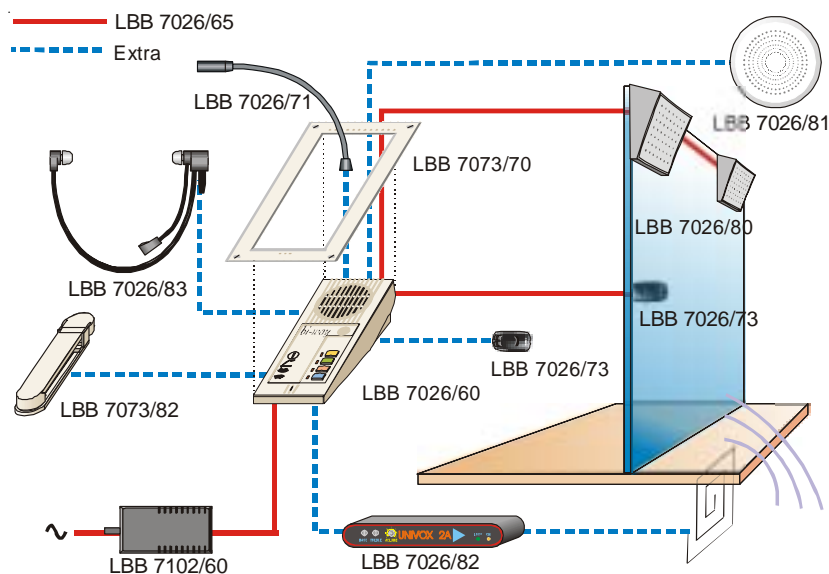
Normally you just turn the Bi-Way operator's unit on, adjust the sound to a convenient level and wait for the first customer. In addition to the on/off switch you can set the unit in "stand-by". This will minimize the ambient noise from the public side in waiting periods. A "Push-to-talk" button will increase the sound at the public side to 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 has many applications: Where there is danger of robbery or violence like banks, post offices, ticket offices, cashier windows, gas stations or offices for social services. Where security has to be maintained like passport controls, foreign offices, embassy receptions, guarded entrances and police stations. Where health issues exist such as hospitals and medical centers.

Note: The Bi-Way system is a one-to-one system and can as such not be expanded. There can only be one Operator's unit per configuration.

Bi-Way installation



- **Designed for efficient handsfree loudspeaking communication**
- **Protection from violence and vandalism**
- **Give customers personal service**
- **Flexible and universal design**




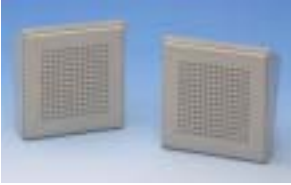

Illustration	Description	Bi-Way system	STENTOFON
Bi-Way Starter kit			
	<p>Bi-Way starter kit LBB 7026/65</p> <p>This kit consists of an LBB 7026/60 Operator's unit, the LBB 7026/73 External microphone, the LBB 7026/80 Loudspeaker kit and the LBB 7102/60 Power supply. The Operator's unit includes a microphone 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.</p>		
	<p>Bi-Way operator's unit LBB 7026/60</p> <p>This unit contains all the electronics for one counter position including microphone and loudspeaker. The unit is designed for desk or flush mounting.</p> <p><i>Dimension each : 93 x 65 x 224 mm.</i></p>		
	<p>Bi-Way external microphone - <i>NEW!</i> LBB 7026/73</p> <p>Uni-directional and noise cancelling microphone for connection to the operator's unit to improve flexibility.</p>		
	<p>Bi-Way loudspeaker kit LBB 7026/80</p> <p>2 loudspeaker cabinets with self-adhesive tape and 10 m flexible loudspeaker cable. Includes alco-pad for screen cleaning.</p> <p><i>Weight each : 0.2 kg.</i></p> <p><i>Dimension each : 105 x 106 x 72 mm.</i></p>		
	<p>Power supply 12 V/8 W LBB 7102/60</p> <p>230 V AC, +/-10%. 50/60 Hz. Double insulated and thermal fused.</p> <p><i>Dimensions : 100 x 51 x 63 mm</i></p>		






Illustration	Description	Bi-Way system	STENTOFON
Accessories			
	<p>Bi-Way gooseneck microphone for operator console</p> <p>Optional directional microphone for extreme noise conditions. <i>Frequency range: 100 - 10 000 Hz, impedance 1000 ohm.</i> <i>Weight : 0.1 Kg</i> <i>Dimensions : 320 x 12 mm</i></p>	LBB 7026/71	
	<p>Bi-Way flush-mount loudspeaker kit</p> <p>Optional 6 W loudspeakers for flush-mount applications in desk or wall. <i>Impedance: 20 ohm.</i> <i>Weight : 0.7 Kg</i> <i>Dimensions (WxH): 160 x 58 mm.</i></p>	LBB 7026/81	
	<p>Bi-Way headset</p> <p>Headset with microphone for connecting to the Bi-Way operator's unit.</p>	LBB 7026/83	
	<p>Handset with cradle kit</p> <p>Optional handset for wall mounting in difficult noisy conditions or for situations where confidentiality is required.</p>	LBB 7073/82	
	<p>Flush-mount frame to operator's unit</p> <p>Flush-mount frame for operator's unit. Desk or wall mounting. <i>Dimensions (WxHxD): 130 x 265 x 18 mm</i> <i>Cut-out hole (WxHxD): 107 x 231 x 63 mm</i></p>	LBB 7073/70	

Illustration	Description	Bi-Way system	STENTOFON
	<p>Flush mount back box - 60 mm</p> <p>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. <i>Dimensions (WxHxD): 120 x 254 x 60 mm</i> <i>Cut-out hole (WxHxD): 108 x 234 x 60 mm</i></p>		LBB 7073/61
	<p>Cradle bracket</p> <p>For table-top use of the Bi-Way operator's unit..</p>		LBB 7073/84
	<p>Bi-Way hearing aid kit</p> <p>Hearing aid loop antenna and amplifier. To be used with 230 V/12 V AC, 8 W power supply.</p>		LBB 7026/82
	<p>PSU, hearing aid unit, 12V AC, Euro-connector</p>		LBB 7102/63
	<p>PSU, hearing aid unit, 12V AC, UK-connector</p>		LBB 7102/64



- ➔ **The Pro700 is designed for:**
Small offices, Small industries, Car dealers, Doctor/Dentist offices, Parking houses, Schools, Cell communication, Police offices/ Prisons, Door communication, Marine, Supermarkets, Nurse call, Lift communication, etc.
- ➔ **No central exchange unit**
- ➔ **Cost effective solutions**

Pro700 system description

System

PRO700 is the communication solution used daily by thousands of small businesses, offices, industrial plants, detention centers and stores around the world. **PRO700** is a flexible system that provides immediate, hands-free communication at an affordable cost.

Features

PRO700 allows for up to 40 stations with one speech channel, and is the first duplex intercom system on the market that does not require a central exchange. Each station has its own microprocessor that is easily programmed for a selection of features and functions.

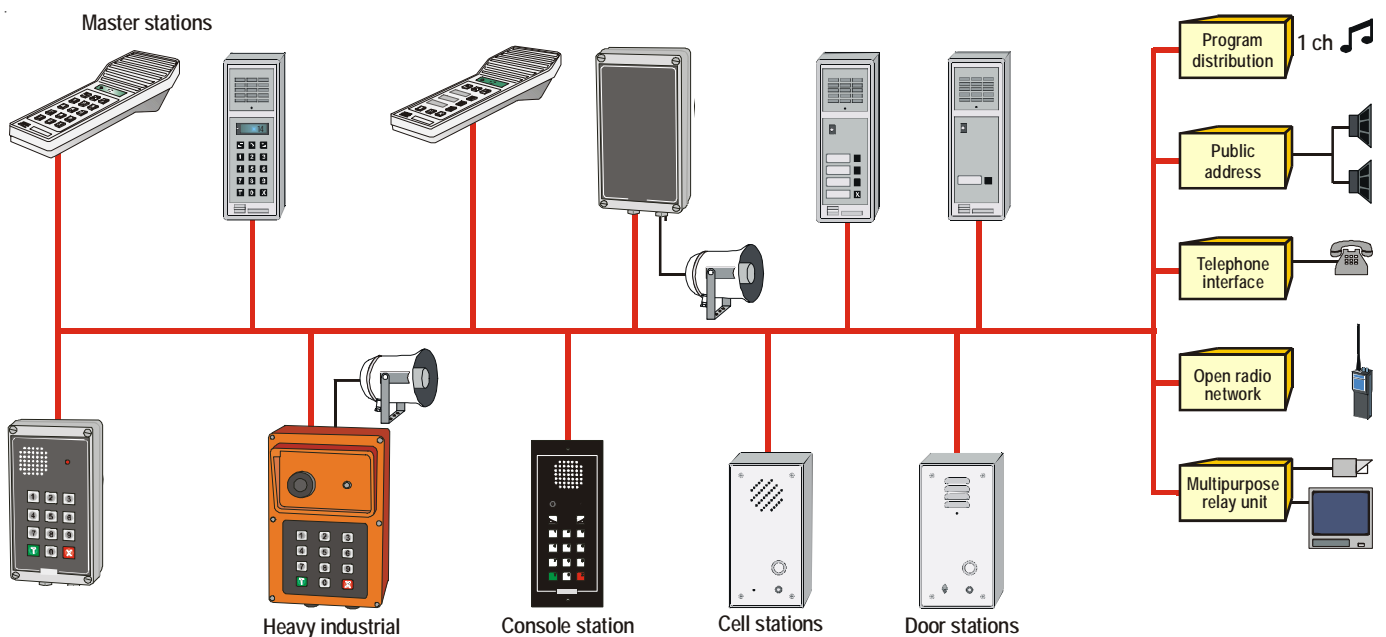
Stations

Choose from a variety of stations for any application or environment including wall or desk mount stations, console mount stations for security control rooms, vandal resistant and industrial stations with optional amplifier.

Installations

With the **PRO700** system, installation is trouble-free. The power supply and stations are connected to a single two (three, if music distribution channel is required) pair telephone wire. The system has one speech path and a separate high quality audio channel for background music or similar.

Pro700 installation



Master stations



Desk/Wall master station

AA701

Although only the size and weight of a conventional telephone handset, the AA701 combines all essential functions needed for effective internal communication: loudspeaking handsfree, softspeaking confidential, and total privacy. Each station in the Pro700 system is individually programmable, giving full flexibility regarding features and extension numbers. The AA701's display gives access to features like caller identification and message/absence information. The cabinet of the AA701 station is cast in high-grade, impact-resistant ABS plastic with a satin finish. The AA701 station is designed for desk use or wall-mounting, using a handy wall-bracket GF632. Station cords, please refer to page 9.

Colour: Grey

Dimensions: D:64 mm - 2.5" W:78 mm - 3.0" H:214 mm - 8.4"

Weight: 250 g



Wall master station

AA702

The AA702 has the same basic features as the desk/wall master station AA701. The surface mounted station can easily be converted to a flush mounted model by use of a clip-on front plate BF636. The housing is high-grade, impact resistant ABS plastic.

Colour: Grey

Dimensions: D:51 mm - 2.0" W:80 mm - 3.1" H: 220 mm - 8.7"

Weight: 350 g



Industrial master station

AA703

The AA703 is a surface mounted station, a splashproof model designed for humid, dirty and outdoor conditions. It has a flame- and chip-resistant casing of durable Bayblend plastic. The front can be removed to allow easy access during installation and service.

The station has an internal 3 Watt amplifier and the speaker volume is adjustable with switches located inside the station, four levels. In addition to the built-in loudspeaker, the unit is prepared for connection of an external speaker. As an optional feature, the 10W power amplifier FC740 may be used with this speaker. The FC 740 also allows you to use the loudspeaker both as loud-speaker and microphone if required (talk-back). The AA703 offers a remote control output via a built-in relay, which can be used to drive external call indicators (lamp/buzzer) or for general remote control facility activated by the calling subscriber.

Colour: grey

Dimensions: D:63 mm - 2.5" W: 124 mm - 4.9" H: 244 mm - 9.5"

Weight: 845 g



Console master station

AA704

The AA 704 station is designed for console mounting or wall mounting using back box 6030 for surface mounting. The keyboard folio of UV-cured PVC is resistant to numerous fluids and chemicals. The keyboard is equipped with backlight and the light intensity can be adjusted with a variable resistor accessible at the front. The station is ideally suited as "control desk station" in correctional institutions, prisons, police stations, marine environment etc. The station has an internal 3 Watt amplifier and the speaker volume is adjustable with switches located inside the station, four levels. An external 10 Watt power amplifier unit FC740 can easily be connected where additional output volume is needed. The AA704 offers a remote control output via a built-in relay, which can be used to drive external call indicators (lamp/buzzer) or for general remote control facility activated by the calling subscriber.

Colour: dark grey

Dimensions: D: 50 mm - 2.0" W: 125 mm - 4.8" H: 280 mm - 11.0"

Weight: 400 g



Heavy industrial master station **AA705**

The Heavy Industrial Master Station is a splashproof model designed for humid, dirty and outdoor conditions and areas where extreme noise occurs. The station is equipped with a noise cancelling microphone. The station consists of an orange makrolon plastic housing and a folio keyboard. The station has an internal 3 Watt amplifier and the speaker volume is adjusted with switches located inside the station, four levels. The unit requires connection of an external loudspeaker. As an optional feature, the 10W power amplifier FC740 may be used with this speaker. The FC 740 also allows you to use the loudspeaker both as loudspeaker and microphone if required (talk-back). The AA705 offers a remote control output via a built-in relay, which can be used to drive external call indicators (lamp/buzzer) or for general remote control facility activated by the calling subscriber.

Note: The loudspeaker is NOT included in the price of the station.

Colour: orange
 Dimensions: D:137 mm - 5.4" W:160 mm - 6.3" H:240 mm - 9.4"
 Weight: 1.020 kg

Substations



Desk/Wall substation with 3 direct dialling buttons **AB707**

This station is similar to the Desk/Wall Master Station AA701, but has a limited keypad. It has 3 dial buttons which are preprogrammed to call station numbers 11, 12 and 13. When these buttons are used in combination with the X-button (X+call button), calls can be made to subscriber no. 21 (X+11), Programme Distribution Channel (X+12) or subscriber no. 23 (X+13). The station has a display and is also equipped with T, 0 and X buttons, volume up, volume down, confidential mode (handset function). The AB707 station is designed for desk use or wall-mounting, using a handy wall-bracket GF632. Station cords, please refer to page 9.

Colour: grey
 Dimensions: H: 64 mm - 2.5" W: 78 mm - 3.0" L: 214 mm - 8.4"
 Weight: 250 g



Wall substation with "doorbell" function or 1 direct dial button **AB708**

The AB708 station is similar to the Wall Master Station AA702, but without display and keypad. It is designed for indoor conditions and is suitable as a door station. The station is equipped with a call button activating the door bell function to all stations belonging to this feature. Stations receiving the distinctive door bell chime pattern can reply to the door call by dialling 5. A normal two way connection is then established. Re-programming the station allows dialling to subscriber no. 13 only. The surface mounted station can easily be converted to a flush mounted model by using the clip-on front plate BF 636.

Colour: grey
 Dimensions: D: 51 mm - 2.0" W: 80 mm - 3.1" H: 220 mm - 8.7"
 Weight: 350 g



Wall substation with 3 direct dial buttons **AB709**

The AB709 station is similar to the Wall Master Station AA702, but without display and full keypad. It is designed for indoor conditions and is suitable as a door station. The keypad has 3 dial buttons which are preprogrammed to call station numbers 11, 12 and 13. When these buttons are used in combination with the X-button (X + call button), calls can be made to subscriber no. 21 (X+11), Programme Distribution Channel (X+12) or subscriber no. 23 (X+13). The station is also equipped with a cancel button (X). The surface mounted station can easily be converted to a flush mounting model by use of the clip-on front plate BF636.

Colour: grey
 Dimensions: D: 51 mm - 2.0" W: 80 mm - 3.1" H: 220 mm - 8.7"
 Weight: 350 g

Special stations



Tamper resistant station with 1 call button, surface
Tamper resistant station with 1 call button, flush

AB731
AB731-F

These stations are compact, dust resistant units with a very robust construction. The stations are made in stainless steel with a 2.0 mm thick front-plate. The construction ensures optimal protection of the push-button, microphone and loudspeaker. The stations are ideally suited for applications in correctional institutions, prisons, police stations, car parks, subway stations etc. The AB731-F is for flush mounting and comes with a light backbox for EMC protection. The stations are equipped with a built-in relay. When an optional backbox is needed for concrete mounting, the unit BF934 must be ordered. The station has an internal loudspeaker with a 3 Watt amplifier. An external speaker can easily be connected. The stations are equipped with a call button for establishing connection with extension number 13. The same call button may optionally be used for "door bell" function or the CAS function.

<i>Dimensions:</i>	<i>AB731</i>	<i>AB731-F</i>
<i>depth:</i>	<i>65 mm</i>	<i>60 mm</i>
<i>width:</i>	<i>90 mm</i>	<i>130 mm</i>
<i>height:</i>	<i>180 mm</i>	<i>220 mm</i>
<i>Weight:</i>	<i>1.5 kg</i>	<i>0.9 kg</i>



Door station with 1 call button, surface
Door station with 1 call button, flush

AB731A
AB731A-F

These door/vandal proof stations are compact, dust resistant with a very robust construction. The stations are made in stainless steel with a 1.5 mm thick front-plate. The construction ensures optimal protection of the push-button, microphone and loudspeaker. The stations are ideally suited for applications in corridors, outdoor car parks, subway stations etc. The AB731A-F is for flush mounting and comes with a light backbox for EMC protection. The stations are equipped with a built-in relay. When an optional backbox is needed for concrete mounting, the unit BF934 must be ordered. The station has an internal loudspeaker with a 3 Watt amplifier. An external speaker can easily be connected. The stations are equipped with a call button for establishing connection with extension number 13. The same call button may optionally be used for door bell function or the CAS function.

<i>Dimensions:</i>	<i>AB731A</i>	<i>AB731A-F</i>
<i>depth:</i>	<i>65 mm</i>	<i>60 mm</i>
<i>width:</i>	<i>90 mm</i>	<i>130 mm</i>
<i>height:</i>	<i>180 mm</i>	<i>220 mm</i>
<i>Weight:</i>	<i>1.5 kg</i>	<i>0.9 kg</i>



Multipurpose unit

BC735

This is a multipurpose unit in a splashproof housing designed for humid, dirty and outdoor conditions. It consist of a flame and chip resistant casing of durable Bayblend plastic. The front can be removed to allow easy access during installation and service. The unit has neither loudspeaker nor microphone. Two external speakers must be added, alternatively, a separate dynamic microphone may be connected. The station has an internal 3 Watt amplifier and the speaker volume is adjustable with switches located inside the station, four levels. An external 10 Watt power amplifier unit FC740 can easily be connected, where additional output volume is needed. This also allows you to use the loudspeaker both as loudspeaker and microphone if required, (talk-back). The BC735 unit has a built in relay which functions as a remote control device or an additional warning signal output.

Colour: grey

Dimensions:

depth: 63 mm - 2.5"

width: 124 mm - 4.9"

height: 244 mm - 9.5"

Weight: 750 g

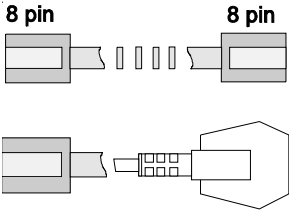
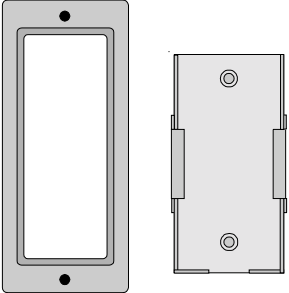
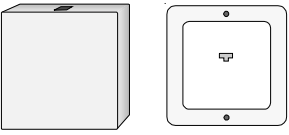

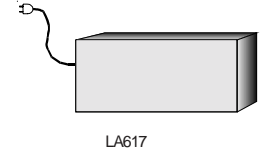
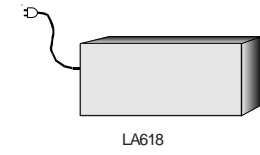
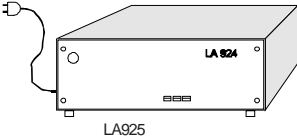
Illustration	Description	Pro700 system	STENTOFON
	<p>Demo unit Pro700 - 220V</p> <p>Demo unit Pro700 - 110V</p> <p>Note: AA705, AA703, BC735 external speaker impedance, minimum 20 ohms without FC740. With FC740, minimum 4 ohms.</p>		
Accessories			
 <p>8 pin</p> <p>8 pin</p>	<p>STATION CORDS</p> <p>Cord, RJ45-RJ45, 2 metre, 8 wires BF640</p> <p>Cord, RJ45-RJ45, 6 metre, 8 wires BF641</p> <p>Cord, RJ45-RJ45, 2 metre spiral, 8 wires BF642</p> <p>Cord, RJ45-RJ45, 0,9 metre spiral, 8 wires</p> <p>Cord, HIRSCHMANN-RJ45, 2 metre, 6 wires (No prog. distr) BF943</p> <p>Cord, HIRSCHMANN-RJ45, 6 metre, 6 wires (No prog. distr) BF944</p> <p>Cord, HIRSCHMANN-RJ45, 2 metre spiral, 6 wires (No prog. distr) BF945</p> <p>Cord, HIRSCHMANN-RJ45, 0,9 metre spiral, 6 wires (No prog. distr) BF946</p> <p>Cord, MULTINET, 2 metre, 4 wires, (No prog. distr) BF947</p> <p>Cord, MULTINET, 2 metre spiral, 4 wires, (No prog. distr) BF948</p> <p>NOTE: The above 900 series cords will have limited number of functions, please refer to Technical Bulletin RMT-01-1999 and Ring-Master Tech. Info no. 72.</p>		
 <p>BF636</p> <p>GF632</p>	<p>WALL BRACKETS/FRONT PLATES/BACK BOXES</p> <p>Wall bracket for AA701/AB707, grey GF632</p> <p>Front plate for flush stations AA702/AB708/AB709 BF636</p> <p>Backbox for stations AB731-F AND AB731A-F, flush BF934</p> <p>Backbox for stations AA702, AB708, AB709, flush BF635</p> <p>Backbox for station AA704, flush</p> <p>Backbox for station AA704, surface 10006030000</p>		
 <p>KB171</p> <p>KB172</p>	<p>INSTALLATION PARTS</p> <p>Wall socket, 8 PIN modular jack, surface mounted KB171</p> <p>Wall socket, 8 PIN modular jack, flush mounted KB172</p>		

Illustration	Description	Pro700 system	STENTOFON
Optional equipment			
	<p>Station kits (Based on PCB for station AB731) Contents of station kit BD 702: 2 x MAC3601 Screw PZD M3 x 6F DIN 965 4 x MAC3606 Screw PZD M3 x 16F DIN 965 2 x MAC3609 Screw PZD M3 x 25F DIN 965 8 x MAK1523 Locknut M3 DIN 985 4 x MAL1008 Washer, flat M3 DIN 125 2 x MCL1151 Spacer, brass M3/5 x 16 mm 4 x MCL1165 Spacer, brass M3/5 x 12 mm 1 x MEE9133 Holder for microphone and LED 1 x MGD1115 Lense for 5 mm front 1 x MGD1115A Lense for 2 mm front 1 x MGD1115B Lense for 3 mm front 1 x MHD9042 O-Ring 47,6 x 2,4 mm 1 x MHD9043 O-Ring 10,6 x 2,4 mm 1 x MKE3076 Backbox for loudspeaker 1 x NFE1825A PCB, audio for AB73x 1 x NFE1829 PCB, control/keyboard 1 x NKH1024 Loudspeaker 1 x NMK1370 Connecting plint 1 x BD702-7 External Wiring Diagram</p>	BD702	
	<p>Station kit (Based on PCB for station AA703) Multipurpose relay unit, (e.g. camera switch) Autodialler w/chime and alarm signal Audio interface Stored voice module, for HD751 Telephone interface Sound detection module 10 W Amplifier module for stations AA703, AA704, AA705, BC735 Handset module, surface for stations A703, AA704, AA705, BC735</p>		GH750
GH750 HD752/HD754			
	<p>POWER SUPPLY Power unit, 220V/18V DC, 1 AMP, FOR MAX 5 STATIONS</p>	LA617	
	<p>Power unit, 220V/18V DC, 4 AMP, FOR MAX 20 STATIONS</p>	LA618	
	<p>Power unit, 220V/27V DC, 5 AMP, FOR MAX 25 STATIONS</p>	LA925	



- ➔ **Microprocessor-controlled digital exchange**
- ➔ **Provides access to an extensive array of communication and security features**
- ➔ **Available in three module sizes**
- ➔ **Can be scaled to suit your needs**

AlphaCom system description

AlphaCom is a communication exchange offering unparalleled functionality and audio quality.

AlphaCom is built around a powerful microprocessor-controlled digital exchange. It provides access to an extensive array of communication and security features as well as interface with a range of external equipment, such as PABX, CCTV, PA, fire- and intruder alarm systems, access control, etc. Bi-directional control between the AlphaCom and such systems can be provided both via data communication and logical inputs and outputs.

Options for individual subscriber programming, flexible interfaces and a programmable event handler allow the AlphaCom system to meet virtually all configuration requirements.

AlphaCom is available in three module sizes for 138, 80 or 36 (AlphaCom M) subscribers.

Modules can be linked to provide a single exchange for 552 subscribers. Up to 254 exchanges can be linked into an AlphaNet network to provide communication between more than 100,000 subscribers with over 20,000 simultaneous connections.

AlphaNet can span the globe via analogue or digital leased lines as well as IP-networks used as link between exchanges. The AlphaCom system can be scaled to suit your needs whether you are looking for a communication and security system for a hospital, indoor parking garage, or to provide communication between all your offices world-wide.

Available stations include desk- and wall stations with or without display, control room stations with up to 100 direct calling keys, and weather and tamper resistant stations.

AlphaCom installation

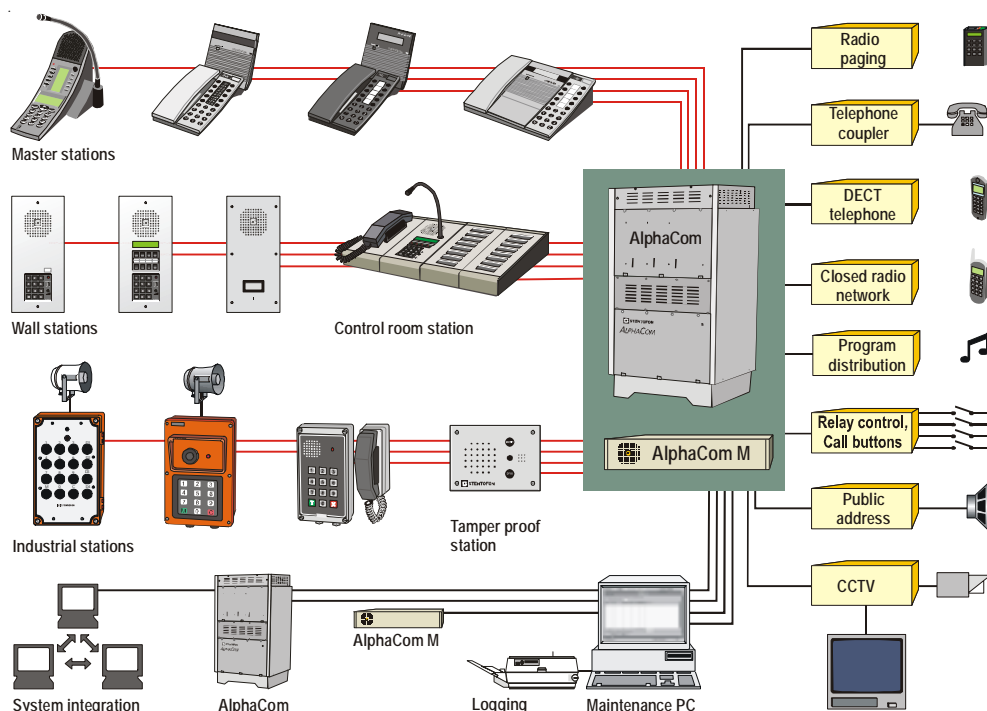


Illustration	Description	Stations	STENTOFON
Master stations			
	<p>Dual Display Station - <i>NEW!</i></p> <p>Desktop master station with full access to all features in the STENTOFON AlphaCom exchange. Delivered without the gooseneck microphone module. <i>Size(mm): 72W x 140H x 270D.</i> <i>Weight: 0.37 kg.</i></p>	1007007000	
	<p>Microphone for Dual Display Station - <i>NEW!</i></p> <p>Gooseneck microphone module.</p>	1007007010	
	<p>Desk Master Station</p> <p>Slimline with handset and D-10 dialler, grey/black <i>Size(mm): 112W x 132H x 260D.</i> <i>Weight: 0.64 kg.</i> Requires separately ordered station cable.</p>	1007001210	
	<p>Desk Master Station</p> <p>Desk or Wall with handset and D-10 dialler, grey/black <i>Size(mm): 225W x 75H x 176D.</i> <i>Weight: 0.72 kg.</i> Requires separately ordered station cable.</p>	1007034210	
	<p>Desk/Wall Master Station</p> <p>Desk or Wall with D-10 dialler, grey/black <i>Size(mm): 225W x 75H x 176D.</i> <i>Weight: 0.54 kg.</i> Requires separately ordered station cable.</p>	1007036210	
	<p>Desk Master Station, Display</p> <p>Slimline with handset and D-10 dialler and display, grey/black <i>Size(mm): 112W x 132H x 260D.</i> <i>Weight: 0.64 kg.</i> Requires separately ordered station cable.</p>	1007001310	
	<p>Desk/Wall Master Station, Display</p> <p>Desk or wall with handset and D-10 dialler and display, grey/black <i>Size(mm): 225W x 75H x 176D.</i> <i>Weight: 0.72 kg.</i> Requires separately ordered station cable.</p>	1007034310	

Illustration	Description	Stations	 STENTOFON
	<p>Desk/Wall Master Station, Display Desk or wall with D-10 dialler and display, grey/black <i>Size(mm): 168W x 75H x 176D.</i> <i>Weight: 0,54 kg.</i> Requires separately ordered station cable.</p>		1007036310
	<p>Desk Master Station, Display Slimline with handset and D-10 dialler and display, grey/black <i>Size(mm): 112W x 132H x 260D.</i> <i>Weight: 0,64 kg.</i> Requires separately ordered station cable.</p>		1007070090
	<p>Desk/Wall Master Station, Display Desk or wall with D-10 dialler and display, grey/black <i>Size(mm): 168W x 75H x 176D.</i> <i>Weight: 0,54 kg.</i> Requires separately ordered station cable.</p>		1007071090
	<p>Desk/Wall Master Station, Display Desk or wall with handset and D-10 dialler and display, grey/black <i>Size(mm): 225W x 75H x 176D.</i> <i>Weight: 0,72 kg.</i> Requires separately ordered station cable.</p>		1007072090



Illustration	Description	Stations	 STENTOFON
Sockets for Master stations			
	Socket Surface, screw terminal. 8 pin modular.		KB171
	Socket Flush, screw terminals. 8 pin modular.		KB172
Station cable for Master stations			
	8-pin modular. 3 meters		EPKAB98510
	8-pin modular. 0,5 meters		EPKAB98515
	8-pin modular 1- to - 1. 3 meters		EPKAB98520
Flush mount stations			
	<p>OR Master Station with display - <i>NEW!</i> 1007036600</p> <p>The OR Master Station is a flush wall master station functionally designed for ease of operation and clear natural voice response. It is similar to the Wall Master station, but designed for use in hospital operating rooms. Controls for speaker volume and microphone volume are set internally. The station has four programmable direct access buttons and LCD display. It also has a mylar covering to eliminate crevices and allow easy wipe-down sterilization. The station will operate on all Stentofon AlphaCom systems.</p> <p>Size(mm): 125W x 280H x 66D. Requires 1000602000 flush or 1000603000 surface back box.</p>		
	<p>Wall Master Station Standard. 1007040000</p> <p>Size(mm): 125 W x 280H x 53D. Weight: 0,6 kg. Requires 1000602000 flush or 1000603000 surface back box.</p>		
	<p>Wall Master Station, Display 1007042000</p> <p>With display and D-8 dialler Size(mm): 125W x 280H x 53D. Weight: 0,6 kg. Requires 1000602000 flush or 1000603000 surface back box.</p>		
	<p>Wall Substation 1007046000</p> <p>with (1) doorbell button, weather resistant. Size(mm): 125W x 280H x 53D. Weight: 0,6 kg. IP54 Requires 1000602000 flush or 1000603000 surface back box.</p>		






Illustration	Description	Stations	 STENTOFON
	<p>Pamex Console Master Station This master station is designed for flush in a console and a back box is available for this purpose. The station can be used with TouchLine 52 - 1040 systems. <i>Size (mm): 125W x 280H x 53D.</i></p>	<p>1007043000</p>	
Back boxes, front panels & brackets			
	<p>Backbox - flush for standard wall mount station, flush mounting <i>Size(mm): 120W x 280H x 62D.</i> <i>Weight: 0,6 kg.</i></p> <p>Backbox - surface for standard wall mount station, surface mounting <i>Size(mm): 137W x 284H x 65D.</i> <i>Weight: 1 kg.</i></p> <p>Front Panel For back boxes above.</p>	<p>1000602000</p> <p>1000603000</p> <p>1000602800</p>	
Industrial master stations			
	<p>Light Industrial Master Station with Loudspeaker Splashproof, grey bayblend plastic housing. Built-in speaker, Mic, & LED. 10W VOX-operated amplifier for ext. 8-20 Ohm loudspeaker <i>Size(mm): 124W x 244H x 63D.</i> <i>Weight: 0,9 kg.</i></p>	<p>1007080000</p>	
	<p>Noise Cancelling Industrial Master Station Weatherproof. Noise cancelling Mic. & LED. 10W VOX-operated amplifier for ext. 8-20 Ohm loudspeaker <i>Size(mm): 160W x 240H x 137D.</i> <i>Weight: 1,1 kg.</i></p>	<p>1007082000</p>	
	<p>220V AC / 12V AC Mains Transformer</p>	<p>EOTRF10115</p>	
	<p>Heavy Duty Industrial Master Station Master station with free access to all extensions and features. <i>Size (mm): 160W x 260H x 100D.</i> <i>Weight: 1,1 kg.</i> <i>IP 65.</i> Equipped with 4 direct access keys.</p>	<p>1007086000</p>	







Illustration	Description	Stations	 STENTOFON
Ancillary items for Industrial master stations			
	<p>Handset for Industrial Stations, IP 44 <i>Size incl. handset (mm): 80W x 250H x 155D.</i> <i>Weight: 0.9 kg</i></p>		VMP-211
	<p>Handset for Industrial Stations, IP 65 <i>Size incl. handset (mm): 98W x 242H x 153D.</i> <i>Weight: 0.9 kg</i></p>		VMP-250
	<p>Transformer for Industrial Stations with Power Amplifier 220V AC / 24V AC Mains Transformer</p>		2030010221
Control Room Master			
	<p>Control Room Master IV Includes 4 x 20 character alphanumeric LCD display with backlight, 4 programmable single touch keys (DAK) with 2 independent programmable LED's each, full dialling keypad, programmable buzzer, 1 W speaker and gooseneck microphone. Station can be mounted in desktop housing or flush. Requires 12 V DC power supply. <i>Size(mm): 125W x 280H x 25D.</i> <i>Weight: 0.75 kg</i> Note: This station can only be used on the AlphaCom system and requires AMC software 7.25 or newer combined with AlphaPro 7.6 or newer.</p>		1007006101
	<p>DAK-48 Unit 48 single touch keys with 2 independent programmable LED's each. Maximum 2 DAK-48 Units per CRM IV station. <i>Size(mm): 125W x 280H x 30D.</i> <i>Weight: 0.3 kg</i> Note: This station can only be used on the AlphaCom system.</p>		1007006110
	<p>Handset Unit with PTT-function. <i>Size(mm): 125W x 280H x 30D.</i> <i>Weight: 0.45 kg</i> Note: This station can only be used on the AlphaCom system.</p>		1007006190
	<p>Single Back Box <i>Size(mm): 135W x 320H x 75D.</i> <i>Weight: 1.0 kg</i></p>		1007006180






Illustration	Description	Stations	 STENTOFON
	<p>Double Back Box <i>Size(mm): 265W x 320H x 75D.</i> <i>Weight: 2,0 kg</i></p>		<p>1007006181</p>
	<p>Two housing mounting kit For mounting of single+double or double+double desktop houses.</p>		<p>1007006182</p>
Tamper Resistant stations			
	<p>Heavy Duty Tamper Resistant Substation with (1) call-in button. <i>Size(mm): 190W x 140H x 64D.</i> <i>Weight: 1.15 kg</i> Requires 1000 6297 00 flush or 1000 6298 00 surface backbox.</p>		<p>1070601010</p>
	<p>Heavy Duty Tamper Resistant Substation with (2) call-in buttons (to call second master or music selection.) <i>Size(mm): 190W x 140H x 64D.</i> <i>Weight: 1.15 kg</i> Requires 1000 6297 00 flush or 1000 6298 00 surface backbox.</p>		<p>1070601020</p>
 <p><i>Flush</i></p>	<p>Backbox - flush for tamper resistant substations above.</p>		<p>1000629700</p>
	<p>Backbox - surface mount for tamper resistant substations above.</p>		<p>1000629800</p>
Kit			
	<p>Substation kit This kit includes the 1307 substation board, 45 Ohm weather resistant loudspeaker, electret microphone with mounting material, one tamper-proof button, necessary station accessories such as cables, nylon screws, spacers and CE-labels.</p>		<p>1007102000</p>
<p>To be able to mount this kit correctly, please read the Design Guide "Stentofon Station Kits" where this kit is described. Order No. A100K10216/02.00</p>			









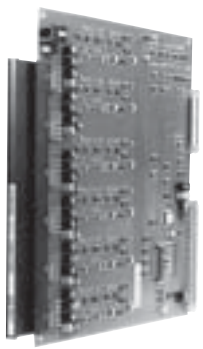
Illustration	Description	AlphaCom Exchanges  STENTOFON
AlphaCom Exchanges		
	ALPHACOM M	
	AlphaCom M package	1009203001
	Complete system with Power Supply Board, Processor Board, and 2 Subscriber Boards. Documentation CD with complete AlphaCom documentation and AlphaPro M programming tool.	
	<i>Size without brackets (mm): 427W x 133H x 280D. Weight: 10,5 kg.</i>	
AlphaCom M package with 6 stations	1009203011	
Complete AlphaCom M exchange with 1 Subscriber Board and 6 intercom stations 1007036210.		
AlphaCom M package with 12 stations	1009203012	
Complete AlphaCom M exchange with 2 Subscriber Boards and 12 intercom stations 1007036210.		
Note: Do not forget to add a transformer to the AlphaCom M system. See Transformers listed below.		
AlphaCom M PSU	A100C07814	
AlphaCom M backplane	A100C07815.0200	
The AlphaCom M backplane is intended to retrofit AlphaCom M exchanges which have been produced before the release of the AE1 card. In addition to offering support for the AE1 card, this new backplane also supports an additional 6 RCO's (12 instead of 6) as well as 4 additional serial ports. Connections to the AE1 card are directly on the screw terminals on the backplane.		
TRANSFORMERS		
Mains Transformer 6A	2030010260	
This transformer can be used on AlphaCom M packages up to 24 lines. 230-250 V AC, 50-60 Hz / 24 V AC, 150 VA. IP44. EN 61558-2-6		
<i>Size(mm): 92W x 130L x 87H.</i>		
<i>Weight: 2.4 kg</i>		
Mains Transformer 11A	2030010270	
This transformer is recommended for AlphaCom M packages up to 36 lines. 230-250 V AC, 50-60 Hz / 24 V AC, 260 VA. IP44. EN 61558-2-6		
<i>Size(mm): 106W x 153L x 98H.</i>		
<i>Weight: 4.2 kg</i>		
CONNECTION MATERIAL FOR ASLT AND AGA		
The installation cable is run via a cross-connection field or directly to the connectors on the back plane of the AlphaCom M exchange. No additional cabling is necessary		
Connection Kit ASLT / AGA	1009501100	
This kit contains the necessary hardware for connection of the installation cable to the back plane of the M exchange.		
Connection Kit for ATLB	1009506100	
This kit contains the necessary hardware for connection of the installation cable to the back plane of the M exchange. If more than 1 industrial telephone or 5 standard telephones is to be installed on the same ATLB line please contact Technical Support for advice.		

Illustration	Description	AlphaCom Exchanges  STENTOFON
	<p>ALPHACOM</p> <p>AlphaCom 80+ for 19" rack mounting - AC 1009204000</p> <p>Complete system with AC Power Supply, Processor Board, Program Board, 2 Subscriber Board and 2 Subscriber Cables 100 9501 011 and AlphaCom Installation Manual, English.</p> <p><i>Size(mm): 482W x 265H x 365D.</i></p> <p><i>Weight: 10 kg.</i></p>	
	<p>AlphaCom 138 Floor cabinet, US Model 1009920020</p> <p>This cabinet is supported with extra side and top panels but is without distribution field. Complete system with AC Power Supply, Processor Board, Program Board, 2 Subscriber Board and 2 Subscriber Cables 100 9501 011 and AlphaCom Installation Manual in English.</p> <p><i>Size(mm): 483W x 841H x 593D.</i></p> <p><i>Weight: 50 kg</i></p>	
	<p>AlphaCom 138 Floor cabinet with distribution field - AC 1009205000</p> <p>Complete system with AC Power Supply, Processor Board, Program Board, 2 Subscriber Board and 2 Subscriber Cables 100 9501 011 and AlphaCom Installation Manual in English.</p> <p><i>Size(mm): 483W x 841H x 593D.</i></p> <p><i>Weight: 50 kg</i></p>	
	<p>AlphaCom 138 for 19" rack mounting - AC 1009206000</p> <p>Complete system with AC Power Supply, Processor Board, Program Board, 2 Subscriber Board and 2 Subscriber Cables 100 9501 011 and AlphaCom Installation Manual in English.</p> <p><i>Size(mm): 483W x 841H x 593D.</i></p> <p><i>Weight: 50 kg</i></p>	
	<p>AlphaCom 138 for 19" rack mounting - DC 1009206010</p> <p>Complete system with DC Power Supply, Processor Board, Program Board, 2 Subscriber Board and 2 Subscriber Cables 100 9501 011 and AlphaCom Installation Manual in English.</p> <p><i>Size(mm): 483W x 841H x 593D.</i></p> <p><i>Weight: 50 kg</i></p>	
	<div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>Extra AWPR Power supply may be ordered for "redundancy"</p> </div> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>WARNING! Do not mix AC and DC power supplies in the same exchange.</p> </div>	

Line boards



Subscriber Line Board, ASLT **1009101010**
 Each board provides 6 subscriber connections and 1 speech channel. All subscriber connections suitable for display stations. The board plugs into any position 1-23.
Size(mm): 10W x 230H x 263D.
Weight: 0,5 kg

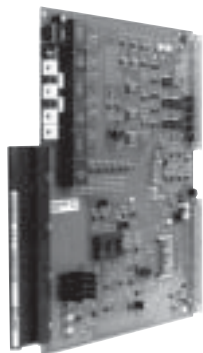
Subscriber Line Board, ATLB **1009102000**
 Each board provides 6 Touch-tone (DTMF) connections and 1 measurement channel for voice switching control. To this board it is possible to connect analogue 2-wire telephones. The board plugs into positions 1, 3, 4, 5, 6, 8, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 23. Requires that the AlphaCom is equipped with AMC software 8.01 or newer!
Size(mm): 10W x 230H x 260D.
Weight: 0,5 kg

Installation cable type & distance for ASLT and ATLB			
Wire diametre		Max. distance ASLT	Max. distance ATLB
0,5 mm 24 AWG		1,4 km 5000 feet	6 km 20 000 feet
0,6 mm 22 AWG		2,0 km 7000 feet	8 km 26 000 feet
0,8 mm 20 AWG		3,4 km 11000 feet	10 km 33 000 feet
0.9 mm 18 AWG		4,0 km 13000 feet	10 km 33 000 feet

Additional boards



Processor Board, AMC **1009201000**
 This board contains software and hardware controlling the AlphaCom system. Plugs into any of positions 20-25, recommended pos. is 25.
Size(mm): 10W x 230H x 263D.
Weight: 0,5 kg



Program & Clock Board, APC **1009301000**
 This board controls the back plane board clocking. It also controls the speed of the fans. It contains circuitry for 6 audio program feed channels with galvanic isolation.
Size(mm): 10W x 230H x 263D.
Weight: 0,5 kg



Illustration	Description	Exchange Equipment	STENTOFON
Power Supply			
	<p>Power Supply, APWR - AC version</p> <p>This unit is needed if the AlphaCom exchange has more than 80 subscribers and the exchange originally is supported with an AC-power supply. Load Share Cable Included. Each power supply serves approx. 80 standard stations.</p> <p><i>Size(mm): 93W x 234H x 248D.</i></p> <p><i>Weight: 5 kg.</i></p>	1009701000	
	<p>Power Supply, APWR - DC version</p> <p>This unit is needed if the AlphaCom exchange has more than 80 subscribers and the exchange originally is supported with an DC- power supply. Load Share Cable Included. Each power supply serves approx. 80 standard stations.</p> <p><i>Size(mm): 83W x 230H x 260D.</i></p> <p><i>Weight: 3,4 kg.</i></p>	1009702000	
Connection material for ASLT			
	<p>1,5 m Flat Subscriber Connection Cable with Filter Board</p> <p>Complete with plug for Subscriber Connection Board. This cable is normally used when the exchange is delivered with distribution field.</p>	1009501011	
	<p>5 m Round Subscriber Connection Cable with Filter Board</p> <p>This cable is normally used when the distribution field is placed away from the exchange. The free end of the cable is unterminated.</p>		
	<p>10 m Round Subscriber Connection Cable with Filter Board</p> <p>This cable is normally used when the distribution field is placed away from the exchange. The free end of the cable is unterminated.</p>	1009501023	
	<p>Subscriber Connection Board for ASLT, Krone terminals</p> <p>Fits on Distribution Field or MDF.</p>	1009930200	
Connection material for ATLB			
	<p>1,5 m Flat Subscriber Connection Cable with Filter Board</p> <p>Complete with plug for Subscriber Connection Board</p>	1009501031	
	<p>Subscriber Connection Board for ATLB, Krone terminals</p> <p>Fits on Distribution Field or MDF</p>	1009930202	
	<p>Distribution Field for Subscriber Connection Boards ASLT/ATLB</p> <p>This is an alternative to MDF</p>	1009910120	





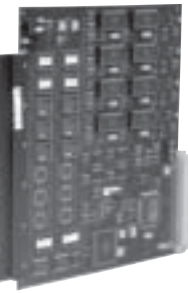
Illustration	Description	Exchange Equipment  STENTOFON
Audio expansion (programme distribution)		
	<p>General purpose audio interface, AGA</p> <p>Contains circuitry for feeding 16 audio channels into and /or out of the AlphaCom exchange under software control. Positions 20 and 21 can be used for additional AGA-boards, giving a maximum of 38 program channels within the AlphaCom exchange.</p> <p><i>Size(mm): 10W x 230H x 260D.</i></p> <p><i>Weight: 0,5 kg</i></p> <p><i>Note: One AGA Board necessary per 16 program for each module within a multi module system.</i></p>	<p>1009303001</p>
	<p>Installation Set, Program / Audio Connection</p> <p>Makes it possible to connect 16 program sources to the AGA board. Note: This set does only fit in AlphaCom exchanges delivered after March -98. If filter boards for ASLT / AGA can be plugged into the exchange without removing the inner back plate, this set can be used. Otherwise, please contact Zenitel Support.</p>	<p>1009930300</p>
	<p>Filter Board and Speech Adapter with Relay, FBSAR</p> <p>This board holds two audio channels to act as a galvanic interface between the AlphaCom exchange and external PA- or non-selective radio Systems. One of the channels is equipped with relays and optocouplers for non-selective radio keying and control. Both channels hold electronics to filter the 40 kHz data carrier tone used in display stations, that might cause amplifier overheating on common PA Systems.</p> <p><i>Size (mm): 125 W x 225H x 50D.</i></p> <p><i>Weight: 0,55 kg</i></p>	<p>1009505000</p>
	<p>Microphone Amplifier for Dynamic & Electret Mic., MADER</p> <p>With this board it is possible to have two way communication in conjunction with an external 8 to 40 Ohms loudspeaker. With this board it is also possible to make announcements by use of a common dynamic microphone. By use of an RCI and 1 pair of additional cable the microphone On/Off button can activate pre-programmed loudspeaker zones for announcement.</p> <p><i>Size(mm): 125 W x 225H x 50D.</i></p> <p><i>Weight: 0,55 kg</i></p>	<p>1009960100</p>
Speech alarm		
	<p>Stored Voice Playback Board, ASVP</p> <p>This board consists of voice help for the AlphaCom system as well as a set of pre-recorded absence messages, such as: "Gone for the day", "In a meeting", "At lunch" i.e. Time or date can easily be added to each message to act as an accurate information tool.. Also a set of standard alarm messages such as "Fire Alarm", "Theft Alarm" i.e. are available. Custom specified messages can be delivered.</p> <p><i>Size(mm): 10W x 230H x 260D.</i></p> <p><i>Weight: 0,5 kg</i></p>	
	<p>Norwegian version</p> <p>Finnish version</p> <p>Danish Version</p> <p>German version</p> <p>English version</p> <p>French version</p> <p>Swedish version</p>	<p>1009304001</p> <p>1009304002</p> <p>1009304003</p> <p>1009304004</p> <p>1009304005</p> <p>1009304006</p> <p>1009304011</p>


Illustration	Description	Exchange Equipment	STENTOFON
InterGuard 60 W amplifier			
<p>For background music, voice based alarm and announcements. The InterGuard 60 is equipped with a Volume Override function. By use of two volume controls it is possible to preset two different volumes for the amplifier output. The Override volume is activated by an external input on the amplifier. The InterGuard 60 is also equipped with an AUX input making it possible to connect a local program source in addition to the AlphaCom input. If both are in use at the same time, the audio signal from the AlphaCom has priority and the local program will be muted. The InterGuard 60 amplifier is equipped with fault monitoring of lines, power and amplifier. Fault reporting via the AlphaCom exchange. The amplifier connects to the AlphaCom via the a,b,c,d-wires. Connection to the AlphaCom with Volume Override control from the AlphaCom, via the a,b,c,d plus one additional pair. <i>Size(mm): 3,5U W x 12U H x 120D.</i> <i>Weight: 0,5 kg</i></p>			
InterGuard 60 W Amplifier, 100 V Line		1009971000	
Telephone interface			
	<p>Public Network Interface, PNCI Unit for incoming and outgoing calls between intercom stations and public/ private telephone network, or to provide dialup tie-line between two intercom exchanges. <i>Size(mm): 243W x 235H x 30D.</i> <i>Weight: 2,1 kg</i></p>		
PNCI UNIT Norway (General version)		1009400100	
PNCI-UNIT Sweden		1009400110	
PNCI-UNIT Finland		1009400120	
PNCI-UNIT Denmark		1009400130	
PNCI-UNIT Germany		1009400140	
PNCI-UNIT Switzerland		1009400210	
PNCI-UNIT Austria		1009400240	
PNCI Cable Set for AlphaCom		1009930140	
Documentation package AlphaCom			
AlphaCom System, English		A100E04027	
<p>The documentation package contains; 4 x User Guide AlphaCom System, 1 x Installation & Commissioning Manual AlphaCom System 1 x Service CD with documentation and AlphaPro software</p>			



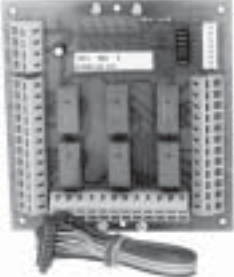


Illustration	Description	Exchange Equipment	 STENTOFON
Remote control			
	<p>Remote Input / Output Controller, RIO</p> <p>For connection of technical alarm inputs and distribution of remote control outputs within an AlphaCom system. Distributed I/O device with built in 8 remote control inputs and logic for 18 remote control outputs per unit. Up to 140 alarm inputs within the same AlphaCom exchange. Up to 30 RIO's can be connected to an exchange thereby controlling up to 500 RCO's</p> <p><i>Size(mm): 125 W x 225H x 50D.</i> <i>Weight: 0,55 kg</i></p>	1009970500	
	<p>Relay Board, MRBD</p> <p>Board with 6 relays for external control. The board is controlled by the AlphaCom software and can be mounted in the AlphaCom exchange or in connection to the RIO-unit.</p> <p><i>Size(mm): 125 W x 225H x 50D.</i> <i>Weight: 0,55 kg</i></p>	1009970200	
	<p>Power Distribution Board</p> <p>This Board is used when it is necessary to supply external equipment such as FBSAR with power from the AlphaCom exchange.</p> <p><i>Size(mm): 125 W x 225H x 50D.</i> <i>Weight: 0,55 kg</i></p>	PDB 1009970101	
Software			
<p>Software upgrade available at our internet product support pages: www.zenitel.biz</p>	<p>AlphaPro Professional</p> <p>With parallel port dongle: With USB dongle:</p>	<p>1009291100 1009291120</p>	
	<p>AlphaPro Lite</p> <p>With parallel port dongle: With USB dongle:</p>	<p>1009293100 1009293120</p>	
	<p>AlphaVoc 16 kHz</p> <p>Tool Package for programming of custom specified speech messages on the ASVP board, such as Fire Alarm messages.</p>	1009392110	
	<p>AlphaVision, Control handler software for AlphaCom and AlphaCom M</p>	1009294100	
	<p>For description see page 28 and 29</p>		

Illustration	Description	Exchange Equipment	STENTOFON
Multi module and AlphaNet linking			
	<p>General Purpose Audio Interface, AGA 1009303001</p> <p>Provides 8 speech channels in a multi module AlphaCom system. Positions 24, 23 and 22 (6, 5 and 4 in an AlphaCom M) can be used for up to 3 AGA-boards. Provides six 0 dBm audio channels for networking of AlphaCom exchanges. Position 20 to 23 are normally to be used for networking.</p> <p><i>Size(mm): 10W x 230H x 260D.</i></p> <p><i>Weight: 0,5 kg</i></p>		
	<p>Installation Set, Multi Module Audio Connection 1009930303</p> <p>Use this set for connection when two or more AlphaCom exchanges shall be locally expanded. (Max. 1 m distance between exchanges.)</p>		
	<p>Installation Set, Multi Module Audio Connection, Old Type 1009930302</p> <p>If the backplane of the exchange must be removed to install the filter boards for ASLT / AGA, use this cable set.</p>		
	<p>AE1 Card- <i>NEW!</i> 1009305000</p> <p>The AE1 card provides independent E1/T1 interfaces to AlphaCom intercom exchanges. The board can be used in different configurations to link modules and/or nodes via digital links. The board has been designed to match both with standard E1/T1 cables and with CAT5 structured building cabling systems. An existing link with some spare capacity can be passed through the AE1 card; AlphaCom audio and data can then be dropped and inserted from/to the spare time-slots. The board therefore also provides fractional E1/T1 multiplexing capabilities.</p>		
	<p>Installation set for AE1 1009509000</p>		

Exchange Calculator

AlphaCom M 12 > 60

Number of subscribers		12	18	24	30	36	42	48	54	60
AC M	1009203001	1	1	1	1	1	2	2	2	2
ASLT	1009101000	0	1	2	3	4	3	4	5	6
ASLT Connection kit	1009501100	0	1	2	3	4	3	4	5	6
AGA	1009303001	0	0	0	0	0	2	2	2	2
AGA Connection kit	1009501100	0	0	0	0	0	2	2	2	2
Transformer	2030010270	1	1	1	1	1	2	2	2	2

AlphaCom M 66 > 120

Number of subscribers		66	72	78	84	90	94	102	108	114	120
AC M	1009203001	3	3	3	3	3	4	4	4	4	4
ASLT	1009101000	5	6	7	8	9	8	9	10	11	12
ASLT Connection kit	1009501100	5	6	7	8	9	8	9	10	11	12
AGA	1009303001	3	3	3	3	3	4	4	4	4	4
AGA Connection kit	1009501100	3	3	3	3	3	4	4	4	4	4
Transformer	2030010270	3	3	3	3	3	4	4	4	4	4

AlphaCom 12 > 72

Number of subscribers		12	18	24	30	36	42	48	54	60	66	72
AlphaCom	1009205000	1	1	1	1	1	1	1	1	1	1	1
ASLT Board	1009101010	0	1	2	3	4	5	6	7	8	9	10
1,5 m flat Subscr. Con. Cable	1009501011	0	1	2	3	4	5	6	7	8	9	10
Subscriber Con. Board, Krone	1009930200	0	1	2	3	4	5	6	7	8	9	10
AGA Board	1009303001	0	0	0	0	0	0	0	0	0	0	0
AGA Multi Module Audio Inst. set	1009930303	0	0	0	0	0	0	0	0	0	0	0
Power Supply	1009701000	0	0	0	0	0	0	0	0	0	0	0

AlphaCom 78 > 138

Number of subscribers		78	84	90	96	102	108	114	120	126	132	138
AlphaCom	1009205000	1	1	1	1	1	1	1	1	1	1	1
ASLT Board	1009101010	11	12	13	14	15	16	17	18	19	20	21
1,5 m flat Subscr. Con. Cable	1009501011	11	12	13	14	15	16	17	18	19	20	21
Subscriber Con. Board, Krone	1009930200	11	12	13	14	15	16	17	18	19	20	21
AGA Board	1009303001	0	0	0	0	0	0	0	0	0	0	0
AGA Multi Module Audio Inst. set	1009930303	0	0	0	0	0	0	0	0	0	0	0
Power Supply	1009701000	0	1	1	1	1	1	1	1	1	1	1

AlphaCom 144 > 204

Number of subscribers		144	150	156	162	168	174	180	186	192	198	204
AlphaCom	1009205000	2	2	2	2	2	2	2	2	2	2	2
ASLT Board	1009101010	20	21	22	23	24	25	26	27	28	29	30
1,5 m flat Subscr. Con. Cable	1009501011	20	21	22	23	24	25	26	27	28	29	30
Subscriber Con. Board, Krone	1009930200	20	21	22	23	24	25	26	27	28	29	30
AGA Board	1009303001	2	2	2	2	2	2	2	2	2	2	2
AGA Multi Module Audio Inst. set	1009930303	2	2	2	2	2	2	2	2	2	2	2
Power Supply	1009701000	1	1	1	1	1	1	1	1	1	1	1

AlphaCom 210 > 276

Number of subscribers		210	216	222	228	234	240	246	252	258	264	270	276
AlphaCom	1009205000	2	2	2	2	2	2	2	2	2	2	2	2
ASLT Board	1009101010	31	32	33	34	35	36	37	38	39	40	41	42
1,5 m flat Subscr. Con. Cable	1009501011	31	32	33	34	35	36	37	38	39	40	41	42
Subscriber Con. Board, Krone	1009930200	31	32	33	34	35	36	37	38	39	40	41	42
AGA Board	1009303001	2	2	2	2	2	2	2	2	2	2	2	2
AGA Multi Module Audio Inst. set	1009930303	2	2	2	2	2	2	2	2	2	2	2	2
Power Supply	1009701000	1	1	2	2	2	2	2	2	2	2	2	2

AlphaCom 282 > 342

Number of subscribers		282	288	294	300	306	312	318	324	330	336	342
AlphaCom	1009205000	3	3	3	3	3	3	3	3	3	3	3
ASLT Board	1009101010	41	42	43	44	45	46	47	48	49	50	51
1,5 m flat Subscr. Con. Cable	1009501011	41	42	43	44	45	46	47	48	49	50	51
Subscriber Con. Board, Krone	1009930200	41	42	43	44	45	46	47	48	49	50	51
AGA Board	1009303001	3	3	3	3	3	3	3	3	3	3	3
AGA Multi Module Audio Inst. set	1009930303	3	3	3	3	3	3	3	3	3	3	3
Power Supply	1009701000	2	2	2	2	2	2	2	2	2	2	2

AlphaCom 348 > 414

Number of subscribers		348	354	360	366	372	378	384	390	396	402	408	414
AlphaCom	1009205000	3	3	3	3	3	3	3	3	3	3	3	3
ASLT Board	1009101010	52	53	54	55	56	57	58	59	60	61	62	63
1,5 m flat Subscr. Con. Cable	1009501011	52	53	54	55	56	57	58	59	60	61	62	63
Subscriber Con. Board, Krone	1009930200	52	53	54	55	56	57	58	59	60	61	62	63
AGA Board	1009303001	3	3	3	3	3	3	3	3	3	3	3	3
AGA Multi Module Audio Inst. set	1009930303	3	3	3	3	3	3	3	3	3	3	3	3
Power Supply	1009701000	2	2	3	3	3	3	3	3	3	3	3	3

AlphaCom 420 > 480

Number of subscribers		420	426	432	438	444	450	456	462	468	474	480
AlphaCom	1009205000	4	4	4	4	4	4	4	4	4	4	4
ASLT Board	1009101010	62	63	64	65	66	67	68	69	70	71	72
1,5 m flat Subscr. Con. Cable	1009501011	62	63	64	65	66	67	68	69	70	71	72
Subscriber Con. Board, Krone	1009930200	62	63	64	65	66	67	68	69	70	71	72
AGA Board	1009303001	4	4	4	4	4	4	4	4	4	4	4
AGA Multi Module Audio Inst. set	1009930303	4	4	4	4	4	4	4	4	4	4	4
Power Supply	1009701000	3	3	3	3	3	3	3	3	3	3	3

AlphaCom 486 > 552

Number of subscribers		486	492	498	504	510	516	522	528	534	540	546	552
AlphaCom	1009205000	4	4	4	4	4	4	4	4	4	4	4	4
ASLT Board	1009101010	73	74	75	76	77	78	79	80	81	82	83	84
1,5 m flat Subscr. Con. Cable	1009501011	73	74	75	76	77	78	79	80	81	82	83	84
Subscriber Con. Board, Krone	1009930200	73	74	75	76	77	78	79	80	81	82	83	84
AGA Board	1009303001	4	4	4	4	4	4	4	4	4	4	4	4
AGA Multi Module Audio Inst. set	1009930303	4	4	4	4	4	4	4	4	4	4	4	4
Power Supply	1009701000	3	3	4	4	4	4	4	4	4	4	4	4

AlphaPro description

- AlphaPro is a programming tool for configuring the AlphaCom System
- The AlphaPro program runs on a PC platform
- PC requirements
 - ➔ Minimum 486 processor (Pentium recommended)
 - ➔ Windows Windows 95/98, Windows NT/2000
 - ➔ Minimum 8 MB RAM
- You can do all the exchange programming off-line, without having any data communication with the exchange
- When you have finished the exchange programming, do the cabling between the PC and the exchange
- From the AlphaPro main windows:
 - ➔ Select exchange
 - ➔ Click the communication button
- When the communication with the exchanged is established
 - ➔ Select Send All
- This operation normally takes less than 10 minutes



- **Connection of Programming PC**
- **Data Communication**
- **Programming Planning**
- **Station/User Programming**
- **Feature Programming**
- **Security Features**

AlphaVision description

AlphaVision is a PC based management software package for the AlphaCom Exchange.

Protect your premises by:

- interrogating visitors at gates and entrances
- opening gates, bars and doors
- controlling surveillance cameras
- transmitting technical alarms to stations, pagers or external telephones
- providing audio monitoring

Control emergency situations (in lifts, corridor, parking areas etc.) by:

- receiving, queuing and displaying emergency calls at security control room
- transmitting voice messages to initiator of call
- responding to emergency calls in any order (new calls will be notified on busy supervisor stations)
- transferring emergency calls to pager or external telephone



AlphaVision

A control handler for the AlphaCom

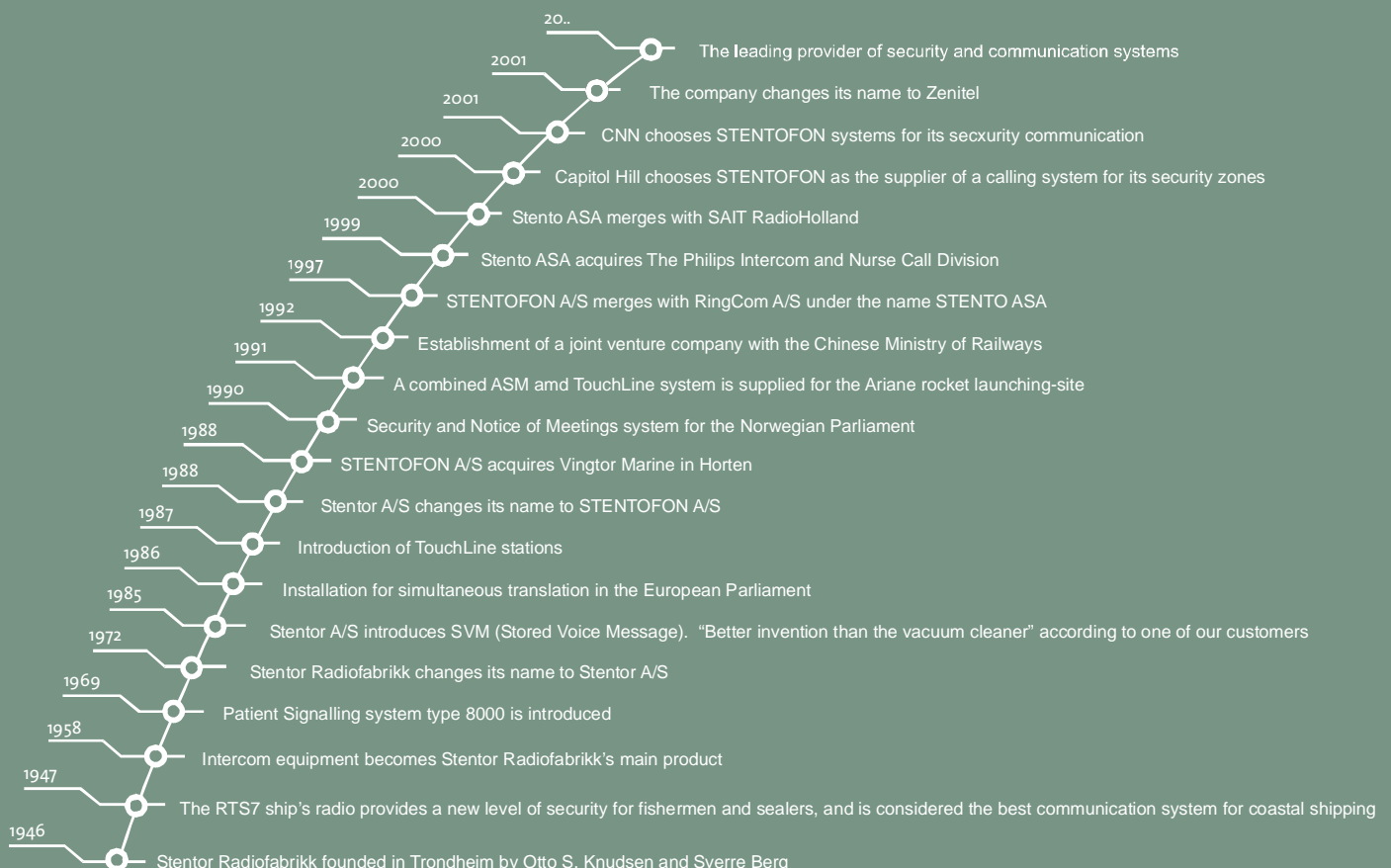
- Gives information to an operator about events inside the exchange, such as call requests and allows the operator to respond to such events.
- The screen is divided into a number of functional area's such as a Call request list, Map area, and others.
- Icons associate with intercoms, remote inputs and remote outputs can be placed in maps.
- Shows the status of intercoms and RCI's through colour changes of icons.
- Comes with a range of different icons which can be added to by the end-user.
- The software is language independent, allows for easytranslation of screen texts into any language.
- No actions are hard coded into the software, everything is definable through scripts.
- Easy interaction with external applications.
- Runs under Windows 98 and NT (and higher).

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 and were soon causing a sensation in the intercom world. Tough competition between them inspired each of them 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 longest-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.

From life-saving operations at sea to security and communication in a world perspective

In 1946 a man by the name of Otto S. Knudsen began producing life saving marine radios in Trondheim, Norway, leading to the production of radio sets, car radios and eventually intercom systems. This was the start of a company gaining international significance and launching groundbreaking innovations. Production of intercom systems began as early as 1946 but did not pick up speed until 1960 with the launch of the ST30 intercom system. This was followed by the advanced KV and ECS duplex intercom systems. Export contacts were being established with a number of European countries, and offices were opening abroad including Denmark, Sweden, Germany, France, USA, Great Britain, China and Australia. The first Pamex models were released in the 1970s and intercom development went into overdrive in the early 80's with the microprocessor. The primary product being manufactured during this time was the Pamex MPC that had much success until it was superseded by the TouchLine system. The latest STENTOFON system is the digital communications system AlphaCom used in a variety of applications around the world.



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