



Bosch Communications Systems  
Get your message across, effectively.



**BOSCH**

Invented for life

Bosch Security Systems is an innovative, one-stop global shop for high-quality, safety, security and communication products. With an unrivalled choice and an integrated approach, Bosch offers a complete range of specialised state-of-the-art products and systems for standard or customised applications and projects.

Our comprehensive portfolio includes:

- CCTV Surveillance
- Access Control and Building Integration
- Intrusion Detection
- Fire Detection
- Public Address and Conference Systems
- Professional Sound

## Communications Systems – Getting the message across

Our communications systems help you to get any message across via state-of-the-art technology. We have done years of thorough research and have over 50 years of experience in Public address and Conference systems.

### Amplifiers

Plena Amplifiers – All-round audio technology

Plena is a range of Public Address mixing and booster amplifiers which offers a truly ‘all-round’ approach. It is a family of system elements that enables you to specify and install Public Address systems tailored to almost all application needs.

#### Mixing Amplifiers

##### Unique Features

- 4 mic. level balanced inputs
- Built-in speech filter for increased intelligibility
- Priority and VOX operation
- Telephone and emergency input with priority
- Balanced phone jack / DIN input connections
- Three stereo line input selection
- Selectable 2-tone chime
- Separate bass & treble control
- Multiple outputs (4Ω, 8Ω, 70V, 100V)



#### Booster Amplifiers



##### Unique Features

- XLR inputs / output
- Direct 100V input for power expansion
- Excellent S/N >80dB
- Input level control
- Low profile 2U housing (except LBD 1938)
- LBD 1938 (3U housing)
- Multiple outputs (4Ω, 8Ω, 70V, 100V)

### Technical Specifications

	Mixing Amplifiers			Booster Amplifiers		
Model	LBD 1906	LBD 1912	LBD 1916	LBD 1930	LBD 1935	LBD 1938
Rated output wattage (RMS)	60W	120W	240W	120W	240W	480W
Battery voltage	24Vdc (max. 10% deviation)			24Vdc (max. 10% deviation)		
Frequency response	50Hz to 18kHz (+1/-3dB)			60Hz to 15kHz (+1/-3dB)		
Distortion (at rated output power at 1kHz)	<1%	<1%	<3%	<1%	<1%	<3%
Inputs	4 balanced inputs / 3 stereo line inputs			XLR & Phone Jack		XLR
Input 1	(5 pole DIN / 6.3mm phone jack)					
Input 2 - 4	(6.3mm phone jack)					
Impedance	1kΩ balanced			20kΩ		
Sensitivity	1.0mV (mic. inputs)			1.0 V balanced		
SIN	>75dB			>80dB	>85dB	>80dB
Chime	0/2 (OFF/ON) selectable - on DIN inputs					
Speech filter response	-3dB at 315Hz					
Phantom power	Yes (on mic. input 1) (Through 5 pole DIN connection only)					
Dimensions (H x W x D)	(88 x 432 x 250) mm			(88 x 432 x 250) mm		(145 x 430 x 370) mm
Weight	7kg	10.5kg	13.5kg	10.5kg	12.5kg	25kg

## Tradition of quality and innovation

For over 100 years, the Bosch name has stood for quality and reliability. Bosch Security Systems proudly offers a wide range of fire, intrusion, CCTV, management and communication systems and components to help you find the solution for any application. We are the global supplier of choice for innovative technology backed by the highest level of service and support. When you need solutions you can rely on, choose Bosch.

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BSCP Stamp



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Security  
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