



## Wired Audio Intercom System for speech and music transmission

### The Concept

The Axxent Audio Intercom System provides highly intelligible speech and music transmission, even at long cable runs. Typical applications are in halls, arenas, theatres, congress centres, concert events etc. The system provides ease of setup and operation. No special cables are required. In addition to a flashing light alert, a switchable piezzo buzzer makes the user aware of calls, even in noisy environments. The system may easily be expanded via link bus if it becomes necessary.

### The Components

The system components are widely compatible to all commercial systems on the market using three pin XLR connectors. No special cabling is necessary. The complementary components are listed below.

### Features

- ⇒ flexible concept with 1- and 2-channel mainstations (MS-100 and MS-200)
- ⇒ master station feeds up to 14 belt packs
- ⇒ 1 U (44.1 mm) only, 19"
- ⇒ light and sound alert
- ⇒ line and microphone input
- ⇒ excellent intelligibility and sound quality
- ⇒ all industry standard headphone/mic combinations having dynamic microphone capsules can be used
- ⇒ standard 3- conductor, 3-pin XLR cables to be used



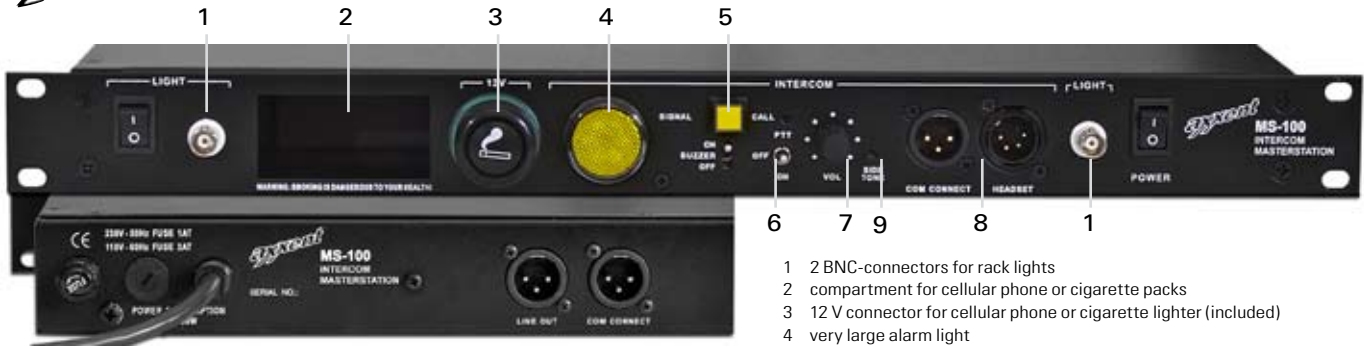
CP-100  
*Communications loudspeaker station*



BP-100  
*portable 1 channel intercom-station (Belt-Pack)*



LP-100  
*large signal light for high visibility*



- 1 2 BNC-connectors for rack lights
- 2 compartment for cellular phone or cigarette packs
- 3 12 V connector for cellular phone or cigarette lighter (included)
- 4 very large alarm light
- 5 call button with buzzer on/off switch
- 6 switching mode: PTT, permanent ON, OFF
- 7 volume adjust for audio signal
- 8 XLR connectors (communication + headset)
- 9 Side Tone (environment noise suppression)

## MS-100

### One channel intercom master station

The MS-100 master station provides one intercom channel with high quality audio signal transmission. The power supply of the master station feeds up to 14 belt packs. Sound and light alerts are standard features. All important connectors and controls are located on the front of the unit, such as headset plug, XLR connector for belt packs and XLR line output. All other functions and important data are identical to the two channel unit MS-200 and belt pack BP-100.

## SPECIFICATIONS

frequency response .....	20 Hz to 20 kHz
signal to noise ratio .....	≥85 dB
connectors .....	3 and 4 pin XLR
power supply .....	230/120 V AC, switchable
power consumption .....	max. 50 W
case .....	steel with black finish
dimensions (W x H x D) .....	482 x 44 x 155 mm
net weight .....	3.2 kg



- 1 input for headset (4 pin XLR)
- 2 head phone volume
- 3 noise suppression gate level
- 4 switching mode: PTT, permanent ON, OFF
- 5 mic switch: CH A or B, or A + B
- 6 call: audio alert on/off
- 7 switches for light alert, separate for channel A + B
- 8 mic/line input (3 pin XLR)
- 9 input level
- 10 line output with channel selection (e.g. calling)
- 11 line input with channel switch
- 12/13 outputs for belt pack or additional main stations

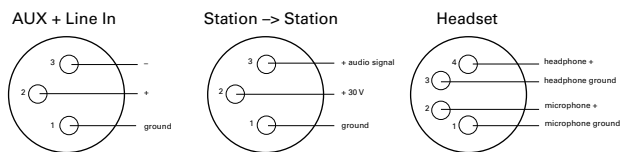
## MS-200

### Two channel intercom master station

The main station MS-200 provides two separate channels for audio intercom. The basic features and data are identical to the model MS-100 and the belt pack model BP-100.

## SPECIFICATIONS

frequency response .....	20 Hz to 20 kHz
signal to noise ratio .....	≥85 dB
crosstalk between channels .....	≥65 dB
connectors .....	3 and 4 pin XLR
power supply .....	230/120 V AC, switchable
power consumption .....	max. 50 W
case .....	steel with black finish
dimensions (W x H x D) .....	482 x 44 x 200 mm
net weight .....	3.1 kg



3 and 4 pin XLR connectors



### CP-100 COM-PAC

*Loudspeaker station for one channel front (photo top), rear (photo bottom)*

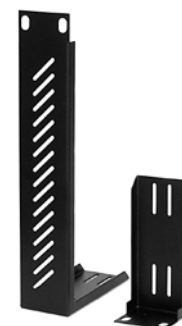
The COM-PAC speaker station CP-100 provides all necessary and important intercom functions and connectors in a compact housing of just 1 U high. The speaker can be switched off, therefore this station can also be used as a one channel main station. The unit may be freely positioned or it can be rack- or wall mounted with optional mounting hardware. When using the CP-100 as regular speaker station, power will be supplied by the main station MS-200. When used as a small main station an optional external power supply may be used (Rane RS-1).

### CP-100 Mounting accessories

*allow for easy and flexible mounting of the COM-PAC unit*



wall mount kit WMK-100



rack mount-kit RMK-100



rack mount-kit RMK-100



### BP-100 Belt-Pack

*Portable one channel intercom station*

The belt pack BP-100 is a portable 1-channel intercom station for connection to a main station MS-200. The integrated belt clip allows for easy fixing the unit to clothes. All controls on the front side of the unit are identical to those on the main station. On the rear of the unit all XLR connectors are easily accessible (left on photo the 4 pin XLR connector for the headset and on the right the 3 pin XLRs for signal loop-through to the next station). The side tone is adjustable. Nearly all features are identical to those on the main station. The BP-100 features light and sound alarm. The sound alarm is switchable.



### BP-100V Belt-Pack with Vibration Alarm Modul

The Model BP-100V with its basic features is almost identical to the BP-100. In addition it offers an extra input for an external vibration alarm module (only 5 x 4 x 2 cm). The connection cable has a length of 80 cm and is equipped with a mini phone plug. The "Vibro Alarm" comes in handy, when the light alarm is not recognized by any reason. The BP-100V is compatible to other common Partyline intercom systems. The BP-100V does not feature a sound alarm.

## Headsets –

### Microphone/Headphone Combinations

These four headset models have been especially designed for intercom applications. Selection of the right model pretty much depends on the application project and the system specifications. The headsets are made of rugged PE plastic material. All models have been developed with the critical acoustical and electrical insulation between microphone and head phone in mind. Hereby the usual crosstalk problems normally associated with multi channel intercom systems could be minimized. Special ear cushions provide the acoustical insulation without degrading the comfort, even at longer sessions and high environmental noise levels. The balanced microphone provides a precise cardioid pattern and a highly effective wind-screen.

### How do the headset series D 800 and D 900 compare?

- extremely robust
- optimized for high intelligibility
- high sound pressure capability
- budget price
- 4 pin XLR adapter included

#### D 900 (E)\*

- studio sound quality
- easy to wear, even for long sessions
- microphone arm left or right
- microphone is automatically off in the upper position (micro switch)

\* models with suffix ("E") are equipped with one ear cushion.



model D 900 E



model D 900



model D 800



model D 800 E

#### SPECIFICATIONS

	D 900 (E)*	D 800 (E)*
<b>head phone</b>		
frequency response .....	10 Hz to 34 kHz	40 Hz to 14.4 kHz
impedance.....	400 Ω system	400 Ω system
sound pressure level.....	≥94 dB	≥94 dB
power handling .....	100 mW	100 mW
suppression of		
environmental noise .....	ca. 25 dBA	ca. 16 dBA
weight (w/o cable) .....	350 g (220 g "E")	270 g (200 g "E")
cable length .....	1.8 m	1.5 m
ear cushion.....	"circumaural" skin friendly antiseptic surface	
<b>microphone</b>		
frequency response.....	40 Hz to 15 kHz	40Hz to 15 kHz
directional pattern .....	cardioid	cardioid
impedance.....	100 Ω (200 Ω) bal.	100 Ω (200 Ω) bal.
output voltage at		
5 cm distance .....	≈1 mV/Pa (≈3 m V/Pa)	≈3 mV/Pa
pivot angle.....	300°	–