



BP100F is a single-channel intercom station developed for public services for user-friendly communication without inherent delay. The station uses the internationally standard partyline topology and is therefore compatible with all such analogue systems.

A special feature is the mounting device on both sides for installation in communication systems such as e.g. crew cars, OB vans, disaster control vehicles, etc. In contrast to mobile beltpacks, the BP100F beltpack has no call signalling, but only a push-to-talk switch with three positions for ease of use: momentary pushbutton function, off, and permanent on. As the beltpack has been developed for installation in systems, the connection is located on the for hearing/speaking combinations on the front.

The BP100F beltpack can be operated without the use of a main station. Several beltpacks can be connected in series using the daisy-chain method with standard microphone cables, or in a star configuration with signal level distributors. Power is supplied via special power supply units: e.g. axxent PS101S for 230 V AC voltage or axxent VS100 for 12 V on-board power supplies.

These power supply units have the appropriate voltage adaptations for the required 24 V operating voltage of the belt packs. In addition, interference suppression filters and line termination for level stabilisation are also installed here. The power supply units allow the operation of up to around 10 of these beltpacks.

Technical data:

Frequency range	Microphone 160...20,000 Hz, +/-6 dB, optimised for speech. Headphones 220...15,000 Hz +/-6 dB
Total harmonic distortion	<0,1%
Signal-to-noise ratio	>80 dB
Plug connections	Headset 4-pol XLR M Neutrik Partyline-Intecomsignal 3-pol XLR M+F Neutrik
Operating voltage	nom. 25 V=, function between 15 V-30 V=
Supply	Intercom main stations or PS101S/VS100 power supply units
Power requirement	<30 mA idle, <80 mA in function
Housing	Steel, dimensions: 112x90x41 mm (LxWxH). Width with fixing straps 125 mm. Tabs are removable
Weight	338 g