

## PROPERTIES

	SoloCom	SoloCom BoomMic
Optimal speech intelligibility of the <b>received</b> signal.	+	+
Optimal speech intelligibility of the <b>sent</b> signal: - at high noise levels - at moderate noise levels.	- +	+ +
Uninterrupted hearing protection: no necessity to remove hearing protectors.	+	+
Limiting volume on eardrum.	-	+
Wide selection of filters based on noise levels.	+	+
Prevents excessive attenuation and feeling cut-off from one's environment.	+	+
Can be worn on either left or right ear.	+	+
Continuous auditory duct ventilation.	+	+
Very user-friendly: optimal ease of use.	-/+	+
Lightweight, minimal discomfort.	+	+
Custom made, very comfortable, suitable for prolonged wear.	+	+
Cable and pushbutton safely attached to clothing.	+	+
Pushbutton located under clothing and controllable while wearing gloves.	-	+
Quick and easy to clean.	+	+
Optionally available with metal ball and detectable cord (for the food industry).	+	+
Windscreen available as an accessory.	-	+
Fully certified and EMC approved.	+	+

# ELACIN

## SafeSound • SoloCom

### HEAR WHAT IS BEING SAID.

In noisy environments, hearing protection often constitutes an obstacle in using any means of communication such as a telephone. Incoming calls are often not heard, and when they are indeed heard, hearing protection equipment is usually a hindrance during a conversation. Result: the user removes the hearing protection, and thereby the protection is also nullified.

To resolve this problem, the ELACIN SafeSound • SoloCom was developed. This feature ensures a user will not miss an incoming call and he/she will be able to have a conversation without removing the hearing protector. This provides uninterrupted hearing protection.



ELACIN SAFE SOUND • SOLOCOM



ELACIN SAFE SOUND • SOLOCOM BOOMMIC

## ELACIN SafeSound • SoloCom

The SoloCom ensures that speech being received arrives at the eardrum, 'beyond the hearing protector'. Therefore, background noise is shut out, and as a consequence speech can be more easily understood. The degree of protection is determined by the special sound filter in the housing.

The ELACIN SoloCom is available in two versions:

- SoloCom Telephone
- SoloCom Radiophone

The SoloCom Telephone connects to either a GSM or a DECT phone as an add-on connection to the apparatus. This version comes equipped with a microphone and a pushbutton, both contained on the same cable.

The SoloCom Radiophone version connects to handset of a two-way radio. A call is answered by means of the microphone and the Push-To-Talk button on the handset.



## ELACIN SafeSound • SoloCom: A UNIQUE CONCEPT

Modular design makes the SafeSound • SoloCom unique: a complete set consists of a pair of SafeSound hearing protectors with the option to replace the sound filter - either left or right side according to preference - with a communication system. An extraordinary feature that the SoloCom comes equipped with is an integrated sound filter. There is a choice of three filters; when used in combination with one of the five SafeSound filters, the degree of attenuation can be tuned to the ambient noise level. These features prevent over attenuation while optimising perceived sounds from the surrounding environment. This filtering mechanism also ensures good auditory duct ventilation, which prevents the user from feeling cut-off from his/her environment.

**THE SAFE SOUND AND SOLOCOM COMBINATION FACILITATES CLEAR COMMUNICATION WITH OTHERS IN THE SURROUNDING ENVIRONMENT AS WELL AS VIA THE TELEPHONE/ TWO-WAY RADIO, IN THE COURSE OF WHICH OPTIMAL HEARING PROTECTION AGAINST BACKGROUND NOISE IS MAINTAINED.**



## ELACIN SafeSound • SoloCom BoomMic



The SoloCom BoomMic is equipped with a simple adjustable microphone located beside the user's mouth. Thanks to its 'noise cancelling' properties, speech is effectively filtered out of the background noise and is thereby more easily understood in very noisy environments. The SoloCom BoomMic is also equipped with an easy to use pushbutton, with embedded electronic circuitry. This circuitry takes care of impedance adaption and suppressed radio screening. The built-in limiter also protects against extreme sound levels, which could be produced by the connected communication device.

The ELACIN SoloCom BoomMic is available in two versions:

- SoloCom BoomMic Telephone
- SoloCom BoomMic Radiophone

The SoloCom BoomMic Telephone connects to either a GSM or a DECT phone, connecting directly to the apparatus. Accepting and interrupting a conversation is controlled via the pushbutton. There is a version without a pushbutton ('NS' version), which is used for those DECT phones that do not support pushbutton control. In that case, accepting and interrupting a conversation is controlled via the means of communication.

The SoloCom BoomMic Radiophone version connects to a two-way radio. In this case the pushbutton functions as a Push-To-Talk button.

### FILTER SELECTION

The ELACIN SafeSound • SoloCom concept offers a choice of five different filter combinations, based on the prevailing noise levels (refer to technical specifications). These comprise one of the five SafeSound (RC) filters with one of the three SoloCom filters. Such a combination will guarantee:

- optimal communication with the surrounding environment (specific RC filter characteristics), and
- optimal understanding of telephone audio (thanks to slightly higher attenuation by the SoloCom filter).

### APPLICATIONS

- Using some means of communication in environments where hearing protection is essential.
- In situations where mobility is required.
- In combination with a telephone (GSM, DECT) or two-way radio.
- In environments with moderate noise levels › **SoloCom.**
- In environments with high noise levels › **SoloCom BoomMic.**
- In industrial environments, e.g. building, assembly and carpentry operations, shipyards and emergency services.