The SP-02 speaker phone

The SP-02 half-duplex speaker phone allows a caller (user, an alarm receiving centre operator etc) to talk and listen-in to the monitored premises. The device can also be used for emergency calls by pressing a button. The SP-02 should be connected to a communicator equipped with a simulated telephone line (e.g. JA-80Y, JA-60GSM) or to an analogue phone line.
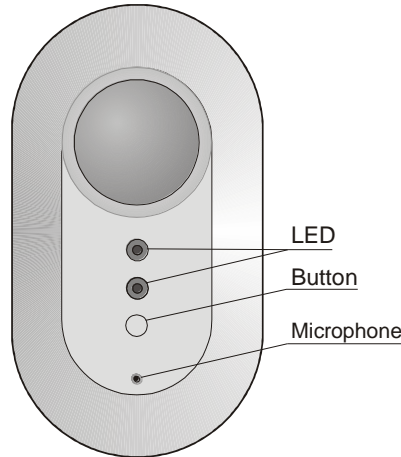
Since the SP-02 only automatically answers phone calls from up to 8 authorized phone numbers, the phone line must support caller identification (CLIP).It is possible to manually answer calls from unauthorized phone numbers by pressing a button on the SP-02. Programming can be locked by a 4-digit user code.

1. Installation

First insert the battery (2x 1.5V AA) – push the grooved battery cover in the direction from the centre to the SP-02's edge. Then connect the SP-02 to the control panel communicator or to an analogue PSTN line using the cable supplied in the package.

If the batteries do not have too low a voltage, the SP-02 is ready for operation which is indicated by the green indicator flashing. If the red indicator flashes, then the batteries are discharged and it is necessary to replace them (only use quality alkaline batteries).

LED

Button

Microphone

Mount the device onto the desired location using the holder supplied in the package.

2. Authorising phone numbers

SP-02 full operation is only possible using authorised tel. numbers – they must be programmed before the device is used for the first time. The phone line must support caller identification (CLIP). Jablotron GSM communicators provide this feature automatically (except for calls from phones with withheld numbers).

- From any phone, make a call to the SP-02's phone number (the number of the line the SP-02 is connected to). As soon as the red indicator starts flashing press the button to answer the call.
- On your phone key-in programming instructions (sequences) according to the table below.
- Successful instruction performance is confirmed by 1 beep, an incorrect instruction is indicated by 4 beeps.
- Terminate the call and test the device functions.

Sequence	Function
**	To store a current caller's phone number to memory number 1.
Dxxxxxxxx	Phone number memorization (7 to 22 digits), **D** is the phone number memory reference (1-8). The SP-02 automatically answers calls from memorized phone numbers.
D	To erase a phone number in memory **D**
9xxxx	Setting the access code (4 digits) and locking the SP-02 – **first set at least one phone number!**
#xxxx	Unlocking the SP-02, xxxx is a valid access code

Setting table

Notes:

Programming is only possible when the device is either reset or unlocked by instruction #xxxx, where xxxx is a valid access code.

When the access code has been set, the SP-02 is automatically locked. To re-enable programming the SP-02 must first be unlocked.

If locked, the calls from unauthorized phone numbers cannot be answered by pressing the button on the SP-02.

If there is a fault (e.g. due to a low battery) 10 beeps sound.

Warning: If the SP-02 is locked and no phone number has been memorized then further communication is impossible. In such a case, a reset of the SP-02 must be performed. This also applies when you forget the access code.

3. Listening and calling

The intercom automatically accepts incoming phone calls from up to 8 authorized (preset) phone numbers (see the setting table). Successful establishment of communication is confirmed to the caller by a long beep. The green LED is then lit on the SP-02 indicating that the microphone is switched on (listening in to the premises). An incoming phone call from an unauthorized phone number is indicated by a flashing red LED. If the SP-02 is not locked, it is possible to answer the call by briefly pressing its button.

By briefly pressing the button, the SP-02 will make an emergency phone call to the phone number stored in the first number memory. After confirmation by a long beep, the functions are the same as in the case of an incoming phone call.

The caller's phone keypad can be used for controlling communication:

Key / sequence	Function	Indicated by
1	Switch over: microphone – **listening** (toggled) speaker – **talking**	Green LED Red LED
2	Switch on microphone – **listening** and switch off speaker	Green LED
5	Switch on speaker – **talking** and switch off microphone	Red LED
0	Terminate the call	Green LED flashing
#xxxx	Unlock the SP-02 (xxxx is a valid access code)	Beep

Operation table

Notes:

If the SP-02 is not locked, briefly pressing its button has the same function as key 1 on the phone. So it is also possible to change the direction (listening/speaking) of communication from the premises end.

Only the caller can terminate the call by pressing key 0 or by hanging up the phone. The call is also terminated automatically 5 minutes after the last operation (pressing a key).

During testing it is recommend to keep some distance between the SP-02 and the phone, otherwise unpleasant audio feedback can be heard (howl-round).

Pressing the 3, 4, 6, 7, 8 or 9 key will result in communication being muted. Communication can be restored by pressing any function key (1,2,5).

4. Reset

A reset can be performed by pressing and holding the button on the SP-02 while inserting the batteries (hold the button until the red indicator stops flashing). This resets the device to factory default settings (all phone numbers erased) and unlocks it.

5. Specification

Power supply	*2x alkaline batteries AA 1.5V*
Max. number of memorized tel. numbers	*8*
Analogue interface	*ETS 300 001, EN 301 437, TBR 21*
EMC	*EN 50130-4, EN 55022*
Safety	*EN 60950-1*

CE — Jablotron Ltd. hereby declares that the SP-02 is in compliance with the essential requirements and other relevant provisions of Directive 99/5/EC (RTTE). The original of the conformity assessment can be found on the web site www.jablotron.com, Technical Support section.

Note: Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the manufacturer after use.