SFERA NEW - SFERA ROBUR
Speaker module

351100

Description

Speaker module for the creation of 2 WIRE audio & video systems. Fitted with loudspeaker and microphone volume adjustment. It can manage up to 100 pushbutton calls when using additional double row pushbutton modules. It can be used for opening an electrical door lock directly connected to the S+ and S- clamps (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and the connection to a local door lock release pushbutton on the PL clamps. Preset for additional power supply. Fitted with front LEDs for the notification of the operating status: door lock release, communication active, call put through, and system busy. Integrated optic sensor for the switching on of the night backlighting. To be completed with surround plate. The device can be configured physically or using a PC with the specific software, which can be downloaded free of charge from www.homesystems-legrandgroup.com; this mode has the advantage of offering many more options when compared with the physical configuration.

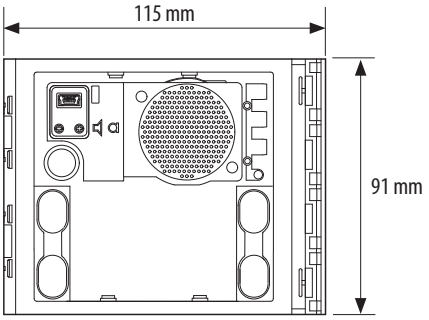
Related items

351101	Sfera New speaker module front cover - Allmetal (IK 08)
351102	Sfera New speaker module front cover - Allwhite (IK 08)
351103	Sfera New speaker module front cover - Allstreet (IK 08)
351111	Sfera New speaker module front cover, 1 pushbutton - Allmetal (IK 08)
351112	Sfera New speaker module front cover, 1 pushbutton - Allwhite (IK 08)
351113	Sfera New speaker module front cover, 1 pushbutton - Allstreet (IK 08)
351121	Sfera New speaker module front cover, 2 pushbuttons - Allmetal (IK 08)
351122	Sfera New speaker module front cover, 2 pushbuttons - Allwhite (IK 08)
351123	Sfera New speaker module front cover, 2 pushbuttons - Allstreet (IK 08)
351141	Sfera New speaker module f/cover, 2 pushbuttons on double column - Allmetal (IK 08)
351142	Sfera New speaker module f/cover, 2 pushbuttons on double column - Allwhite (IK 08)
351143	Sfera New speaker module f/cover, 2 pushbuttons on double column - Allstreet (IK 08)
351181	Sfera New speaker module f/cover, 4 pushbuttons on double column - Allmetal (IK 08)
351182	Sfera New speaker module f/cover, 4 pushbuttons on double column - Allwhite (IK 08)
351183	Sfera New speaker module f/cover, 4 pushbuttons on double column - Allstreet (IK 08)
351105	Sfera Robur speaker module front cover (IK 10)
351115	Sfera Robur speaker module front cover, 1 pushbutton (IK 10)
351125	Sfera Robur speaker module front cover, 2 pushbuttons (IK 10)
351145	Sfera Robur speaker module front cover on double column, 2 pushbuttons (IK 10)
351185	Sfera Robur speaker module front cover on double column, 4 pushbuttons (IK 10)

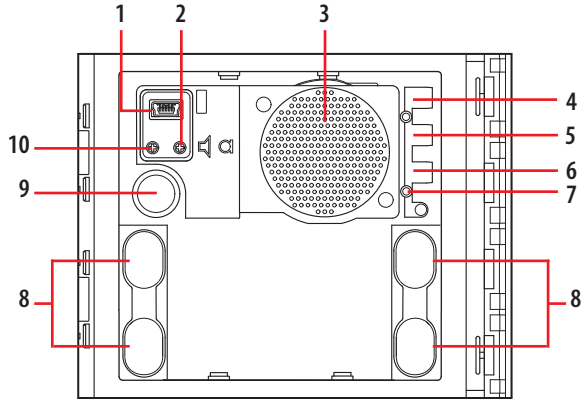
Technical data

Power supply from SCS BUS:	18 - 27 Vdc
Stand by absorption (with backlighting LEDs off):	10 mA
Stand by absorption (with backlighting LEDs on):	15 mA
Max. operating absorption:	65 mA
Operating temperature:	(-25) – (+70) °C
Protection index (pushbutton panel assembled):	IP 54

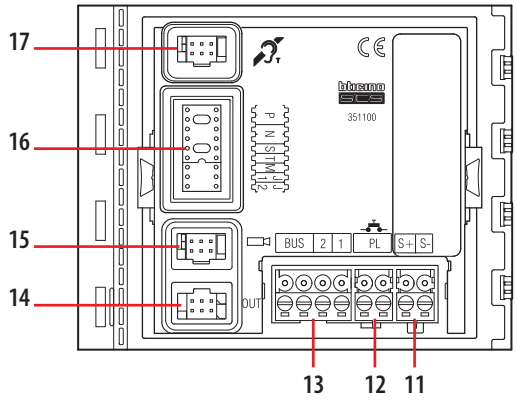
Dimensional data



Front view



Rear view



Legend

1. Mini-USB connector for the connection to the PC : download/upload the advanced configuration and device firmware update
2. Microphone volume adjustment
3. Loudspeaker
4. LED for door status notification. **GREEN ON = door open**
5. LED for communication status notification. **GREEN ON = active communication**
6. LED for system status notification. **GREEN ON = put through call**
   RED ON= busy system
7. Light sensor for automatic switching on of the night backlighting
8. Call pushbuttons
9. Microphone
10. Loudspeaker volume adjustment
11. Plug-in clamps for the connection and control of the electrical door lock (18 V 4 A impulsive 250 mA holding current 30 ohm max)
12. Plug-in clamps for the connection of the local door lock release pushbutton
13. Plug-in clamps for the connection of the local power supply and the 2 WIRE SCS BUS
14. Connector for the connection to subsequent pushbutton modules
15. Connector for the connection of the N&D 352400 camera module
16. Configurator socket
17. Connector for the connection of the 352700 teleloop module

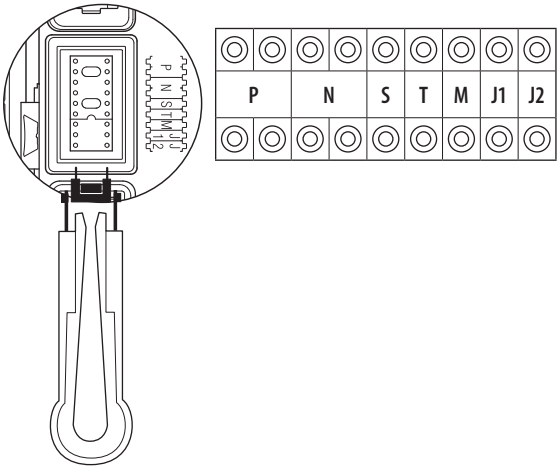
Configuration

The device must be configured. The configuration can be performed in two ways:

Mode 1 - with physical configurator connection
Mode 2 - using a PC with the specific software, which can be downloaded free of charge from www.homesystems-legrandgroup.com; this mode has the advantage of offering many more options when compared with the physical configuration.

Mode 1

Mod 1 requires the physical connection of the configurators to their sockets:



P - entrance panel number
The configurator in socket P of the speaker module assigns to this a recognition number inside the system. The numbering of the entrance panels must always start from P=0. The entrance panel configured with P=0 must be a common (or main) entrance panel.

N - call number
Assigns the correspondence between the entrance panel pushbuttons and the audio handsets or video handsets.
In common entrance panels made using pushbutton modules, 1 must be inserted in N of the speaker module. The number of the first riser handset must be inserted in the local entrance panels.

S - type of call signal
The configuration of S determines the call tone of handsets.
One can thus differentiate the calls from different entrance panels.

For the Classe 100 and Classe 300 handsets, **S** associates the entrance panel to the bell programmed in the handset. It is possible to chose between 16 different preset bells.

For the SPRINT L2 handsets, **S** sets the call ringtone, according to the following table:

Configurator	0	1	2	3
Type of bell	2-tone	2-tone	2-tone	One-tone
	1200 Hz	1200 Hz	1200 Hz	1200 Hz
	600 Hz	0 Hz	2400 Hz	

In one-family systems S=9 to configure the general call.

T - door lock relay timing

Configurator	0 = no configurator	1	2	3	4*	5	6	7
	4 sec	1 sec	2 sec	3 sec	as pushbutt.	6 sec	8 sec	10 sec

*** Operation as pushbutton for 10 sec. max** after which it goes in stand-by.
In order to extend this type of operation over 10 seconds, use the actuator, item 346210 configured with **MOD = 5**.

M - enabling/disabling of call tones and door lock release tones, and management of night backlighting always ON
The M configurations gives the possibility of managing the entrance panel call and door lock release tones . It also gives the possibility of enabling night backlighting always ON (light sensor disabled) according to the following table:

Configurator	M = 0	M = 1	M = 2	M = 3
Tone status	All tones **enabled**	Door lock tone **disabled**	Call tone **disabled**	All tones **disabled**

Configurator	M = 4	M = 5	M = 6	M = 7
Backlighting status	All tones **enabled** ± backlighting **always ON**	Door lock tone **disabled** ± backlighting **always ON**	Call tone **disabled** ± backlighting **always ON**	All tones **disabled** ± backlighting **always ON**

J1 - activation of call pushbutton columns
The **J1** configurator gives the possibility of managing the Call pushbuttons of the speaker module as follows:

J1 CONNECTED = Only the right pushbutton column is enabled

J1 DISCONNECTED = Both pushbutton columns are enabled (right + left)

J2 - additional EP power supply

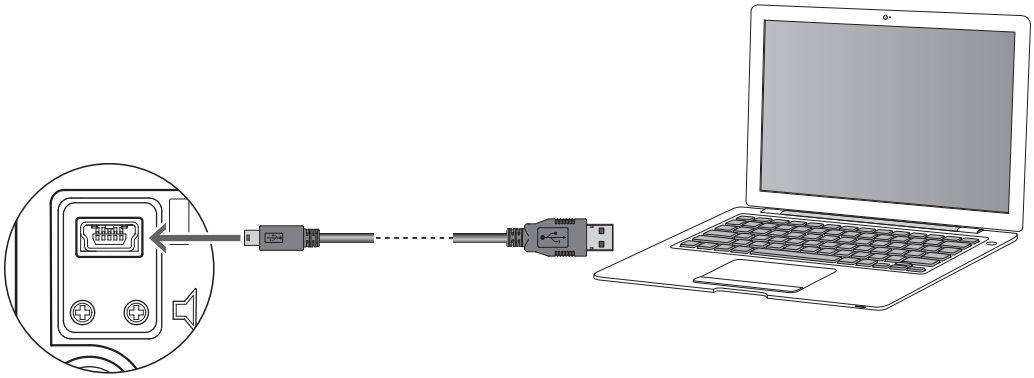
Configurator **J2** gives the possibility of enabling the additional power supply (1-2) of the speaker module in the following mode :

J2 CONNECTED = Additional power supply disabled

J2 DISCONNECTED = Additional power supply enabled

Mode 2

Mode 2 requires advanced configuration of the device, performed using a PC and the specific software, which can be downloaded free of charge from www.homesystemslegrandgroup.com; this mode has the advantage of offering many more options when compared with the physical configuration.
For the connection to the PC use a USB - mini USB cable. The software gives the possibility of configuring, programming, and updating the firmware of the speaker module.



Warning: In order to correctly send the configuration to the device, jumper (J1) must be removed. Also ensure that there are no configurators connected to the socket on the back of the module.