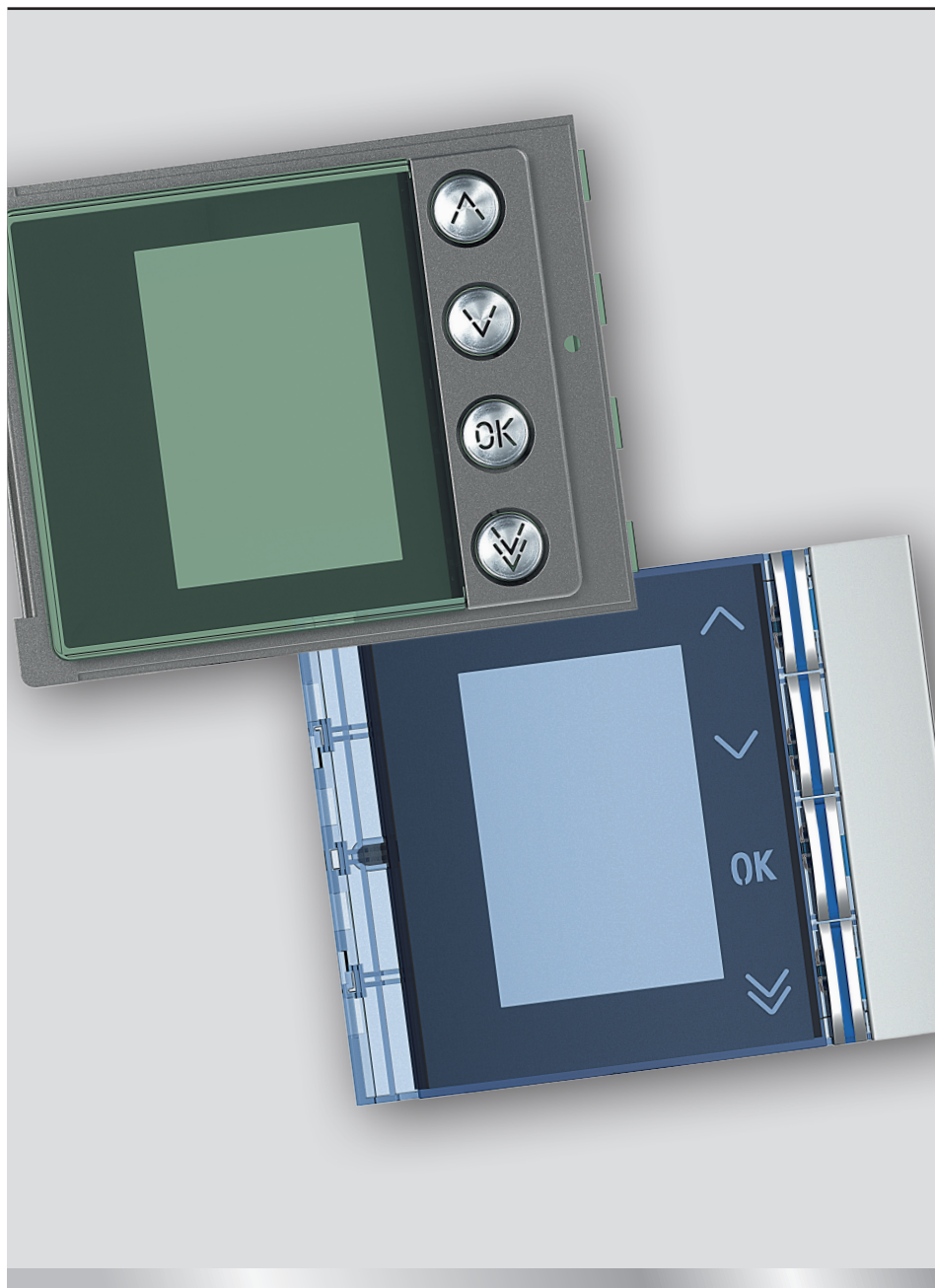


Sfera Display Module

Installer manual





Sfera Display Module

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1.1 Warnings and recommendations

Before proceeding with the installation we recommend that you read the content of this manual very carefully.

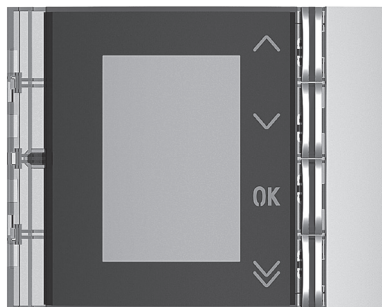
The warranty will automatically become void in case of negligence, improper use, and tampering by unauthorised personnel.

The Sfera display Module must only be used with BTicino 2 wire digital systems.

Front covers to be used with the BTicino Sfera display Module:



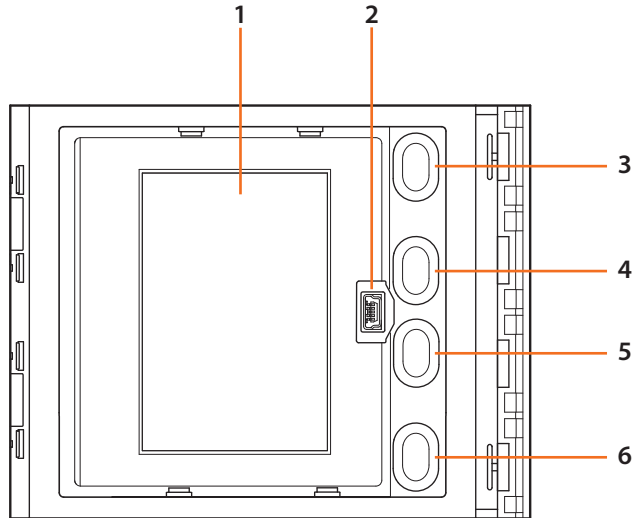
Front cover 352505






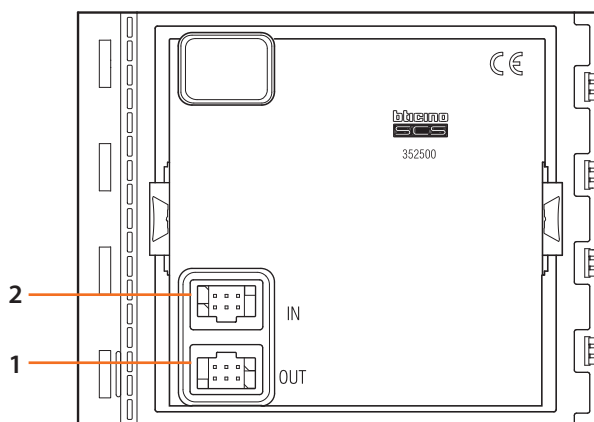
Front cover 352501/02/03

2 Description

2.1 Front view



- 1 - Graphic display
- 2 - Mini_USB connector for configuration using the software (recommended), residents' address book programming, and firmware update
- 3 - Residents names scroll pushbutton 
- 4 - Residents names scroll pushbutton 
- 5 - Confirmation pushbutton – call forwarding **OK**
- 6 - Quick scroll pushbutton 

2.2 Back view

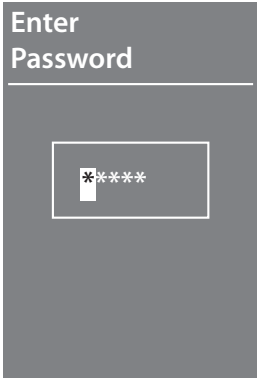
- 1 - Connector for the connection to subsequent modules
- 2 - Connector for the connection to previous modules

3 Configuration using the keypad

3.1 Access to the Settings menu

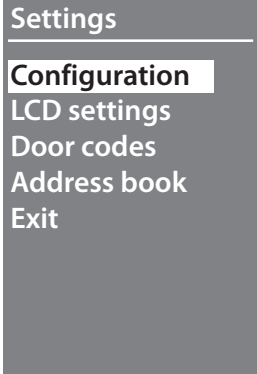


- 1 Press and hold down the **▼** **▲** keys for more than 10 seconds



The password gives the installer access to the settings menu. The default password is **00000**. We recommend that the default password is replaced with one of your choice to prevent unwanted access.

- 2 Using the keys **▼** **▲** select the first digit of the password and confirm using **OK**
- 3 Repeat the procedure at point 2 for the other 4 digits



- 4 If the password is correct, access to the Settings menu is granted

3 Configuration using the keypad

3.2 Configuration

3.2.1 Password

Settings

Configuration

LCD settings
Door codes
Address book
Exit

- ❶ Press **OK** to access the **Configuration** menu

Configuration

Password

Language
Add Book Form
Multiple call
Tune setup
Exit

- ❷ Press **OK** to change the password

Password

- ❸ Using the keys **▼** **▲** select the first digit of the new password and press **OK** to confirm
- ❹ Repeat the procedure at point 3 for the other digits

▼ Exit

Press this key **▼** to return to the **Configuration** menu without changing the previous password

Password Repeat

* ****

⏮ Exit

5 Repeat to confirm the new password

Press this key ⏮ to return to the **Configuration** menu without changing the previous password

Password

Confirmed

6 The new password has now been confirmed

3 Configuration using the keypad

3.2.2 Language

Configuration

Password

Language

Add Book Form

Multiple call

Tune setup

Exit

The Display Module is supplied with basic setup for the Italian language. This menu gives the possibility of changing the setup based on personal needs.

❶ Using the keys **▼** **▲** select the **Language** menu

❷ Press **OK** to confirm

Language

Français

English

* Italiano

Portugues

Deutsch

Español

Exit

❸ Using the keys **▼** **▲** select the desired language (the currently set language is marked with an asterisk)

Language

Français

English

* Italiano

Portugues

Deutsch

Español

Exit

❹ Press **OK** to confirm

To exit the menu without changing the settings select **Exit** and press **OK** to confirm

3.2.3 Address Book format

Configuration

Password

Language

Add Book Form

Multiple call

Tune setup

Exit

The display module gives the possibility of creating the residents address book in two different formats, **Alphanumeric** (name, surname, etc.) or **Numeric BFA** (Block, Floor, Apartment). This setting will define the procedure for entering the corresponding details and the search procedure used by visitors.

- Using the keys **▼ ▲** select the **Address book format** menu
- Press **OK** to confirm

Add Book Form

* Alphanumerical

Numeric BFA

Exit

- Using the keys **▼ ▲** select the mode and press **OK** to confirm

Add Book Form

Block 1

Floor 2

Apartment 3

Select **Numeric BFA** mode to display another screen where it will be possible to set the number of digits for each field; the overall maximum number of digits is 8

- Using the keys **▼ ▲** set the number of digits for the Block field and press **OK** to confirm
- Repeat the procedure for the other fields

NOTE: it is possible to change the length of the BFA fields if the address book is empty, otherwise the TiSferaDesign software must be used

3.2.4 Multiple Call

Configuration

Password

Language

Add Book Form

Multiple call

Tune setup

Exit

In the basic setup, the Display is preset to prevent call repetition (ringing of the handset). On the other hand, this function gives the possibility of setting the number of call repetitions if the call is not answered; calls are repeated every 10 seconds.

① Using the keys **▼ ▲** select the **Multiple Call** menu

② Press **OK** to confirm

Multiple call

* **OFF**

ON 1

ON 2

ON 3

ON 4

③ Using the keys **▼ ▲** select the number of call repetitions if there is no answer (the number of repetitions currently set is marked by an asterisk)

Multiple call

OFF

ON 1

* **ON 2**

ON 3

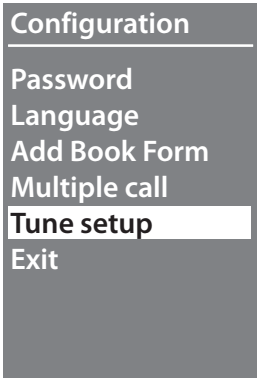
ON 4

④ Press **OK** to confirm

(E.g. if there is no answer to the first call, this will be automatically repeated two more times)

Sfera Display Module

3.2.5 Tune setup



This menu can be use to enable or disable the sound when the keys are pressed (the default setting is **Tune ON**)

- ➊ Using the keys **▼ ▲** select the **Tune setup** menu
- ➋ Press **OK** to confirm



- ➌ Using the keys **▼ ▲** select the mode

In case of entrance panel with Teleloop Module, select the corresponding item for correct sound management.

The current setting is marked by an asterisk.



- ➍ Press **OK** to confirm and return to the previous menu

3 Configuration using the keypad

3.3 LCD Setup

3.3.1 Brightness - Contrast

LCD settings

Brightness

Contrast

ECO Mode

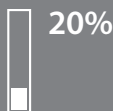
Exit

Adjust the **Brightness** and **Contrast** for optimum display viewing based on the installation position.

1 Using the keys **▼** **▲** select the function

2 Press **OK** to confirm

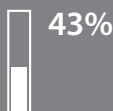
Brightness



3 Using the keys **▼** **▲** perform the adjustment

▼ Exit

Brightness



4 Press **OK** to confirm and return to the previous menu

▼ Exit

Press this key **▼** to return to the previous menu without changing the settings

Sfera Display Module

3.3.2 Eco Mode

LCD settings

Brightness

Contrast

ECO Mode

Exit

If **ECO Mode** is selected, the brightness of the display will be reduced by 20% after one minute of inactivity. Press any key to return the brightness to the set level.

- 1 Using the keys **▼** **▲** select the function
- 2 Press **OK** to confirm

ECO Mode

ON

* **OFF**

- 3 Using the keys **▼** **▲** set as required

The current setting is marked by an asterisk.

ECO Mode

* **ON**

OFF

- 4 Press **OK** to confirm and return to the previous menu

3 Configuration using the keypad

3.4 Door Codes

Settings

Configuration

LCD settings

Door codes

Address book

Exit

To enable access also to authorised non residents, it is possible to enter up to 20 numerical codes to open the door lock associated to the entrance panel.

This function can only be used together with the Keypad module, item 353000.

① Using the keys ∇ \wedge select the **Door Codes**

② Press **OK** to confirm

Door codes

code : 1
[--]

③ Using the keys ∇ \wedge select the code to set, and press **OK** to confirm

OK select

Door codes

code : 1
[1234]

④ Enter the code in the keypad Module item 353000 (minimum 4, maximum 9 digit)

⑤ Press **OK** to confirm

set code

OK select

Residents can be entered in two ways. The procedure depends on the previous setup (see the **Address book Format** section); the following paragraphs describe both procedures.

3.5 Address book – Alphanumeric mode



The address book menu gives the possibility of entering new contacts, as well as to modify or deleting existing ones.

In Alphanumeric mode, for each resident the following details can be entered:

Name	(Max. 16 characters)
Surname	(Max. 16 characters)
Description	Field used to enter a short message that will appear when a call is made (e.g. a welcome message, or the office opening hours). (Max. 16 characters)
Logic code	Numeric code for direct resident call, without the need for consulting the address book (Max. 16 characters)
Door lock code	Numeric code used by the resident to open the door lock associated to the entrance panel. (4 to 9 characters) This function is only possible with entrance panels featuring a keypad Module.
Address	Physical SCS address of the handset

3 Configuration using the keypad

3.5.1 Enter

Enter

name

|

- 1 Using the keys **▼** **▲** select the first letter of the name
- 2 Press **OK** to confirm
- 3 Continue until the full name has been entered
- 4 The **↵** key can be used to correct any errors
- 5 Press and hold down **OK** to enter the surname

Enter

Surname

Aa |

Use the same procedure to enter the surname and the description

Enter

logic code

1234 |

To enter the codes for direct call, door lock release, and address, it is possible to use both the **▼** **▲** keys and the keypad Module (if present in the handset)

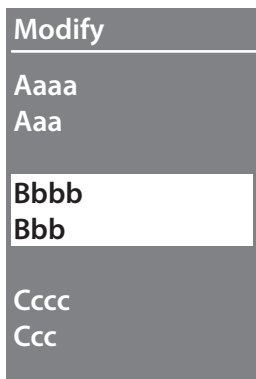
- 6 Press **OK** to confirm

To terminate the procedure for entering a contact without saving the data press and hold down the key **↵**

3.5.2 Modify



- 1 Press **OK** to access the menu



- 2 Using the keys **▼** **▲** select the contact to change
- 3 Press **OK** to confirm



- 4 Modify using the keys **▼** **▲**
- 5 Press and release **OK** to go to the next letter
- 6 To jump to the next field (e.g. from name to surname) press and hold down **OK**

To terminate the procedure for modifying a contact without saving the data press and hold down the key **▼▼**

3.5.3 Delete

Address book

Modify

Enter

Delete

Exit

- ❶ Press **OK** to access the menu

Delete

Aaaa

Aaa

Bbbb

Bbb

Cccc

Ccc

- ❷ Using the keys **▼** **▲** select the contact to delete

- ❸ Press **OK** to confirm

Delete

name

Cccc

Ccc

Cancel

Confirm

The request appears, to cancel or confirm the deletion

- ❹ Select the function using **▼** **▲**

- ❺ Press **OK** to confirm

3.6 Address book – Numeric BFA mode



The address book menu gives the possibility of entering new contacts, as well as to modify or deleting existing ones.

In Numeric BFA mode, for each resident the following details can be entered:

Block	The number of digits that can be used is set in the address book Format menu (paragraph 3.1.3)
Floor	The number of digits that can be used is set in the address book Format menu (paragraph 3.1.3)
Apartment	The number of digits that can be used is set in the address book Format menu (paragraph 3.1.3)
Door lock code	Numeric code used by the resident to open the door lock associated to the entrance panel (4 to 9 digits) This functi
Address	Physical SCS address of the handset

3 Configuration using the keypad

3.6.1 Modify

Address book

Modify

0 1 1 1 0 .

Apartment

10

11

12

After selecting Block, Floor, and Apartment of the contact to modify

- 1 Press **OK** to access the menu

Modify

Block Floor Apart.

0 1 1 1 0 .

- 2 Change the settings with the keys **▼ ▲** or using the keypad module (if present)

- 3 Press and release **OK** to confirm

or

- 4 If the field does not need to be modified press and hold down **OK** to jump to the next field

Modify

Repeat

Confirm

Cancel

- 5 Select Confirm and press **OK**

To terminate the contact Modification procedure without saving the data select **Cancel** and press **OK**

Sfera Display Module

3.6.2 Enter

Enter

Block Floor Apart.

sss

0 1 1 1 0 .

❶ Using the keys **▼** **▲** or the keypad Module (if present in the handset) enter the first Block digit

❷ Press **OK** to confirm

❸ Continue until completion

❹ The **▼** key can be used to correct any errors

❺ Press and hold down **OK** to enter door lock code

Enter

door lock code

1234 |

Also to enter the numeric codes for door lock release and address it is possible to use both the keys **▼** **▲** and the keypad Module

❻ Press and hold down **OK** to go to the next stage

Modify

Repeat
Confirm
Cancel

❼ Select **Confirm** and press **OK**

To terminate the contact entering procedure without saving the data select **Cancel** and press **OK**

3 Configuration using the keypad

3.6.3 Delete

Delete

.

.

.

.

.

Block

1
2
3

- 1 Using the keys **▼** **▲** select the Block for the contact to delete
- 2 Press **OK** to confirm and enter the Floor

Delete

1

12

1.

.

Block

1
2
3

After setting the details for Block, Floor, and Apartment of the contact to delete

- 3 Press **OK** to confirm and continue

Address book

Delete

Cancel
Confirm

The request appears, to cancel or confirm the deletion

- 4 Select the option using the keys **▼** **▲**
- 5 Press **OK** to confirm

Sfera Display Module

4 Configuration using the software

4.1 The TiSferaDesign software

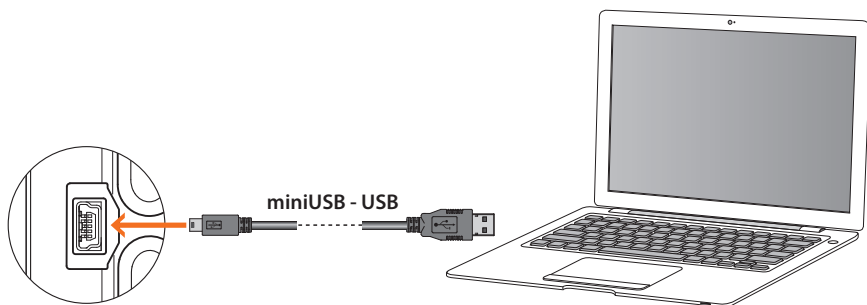
All the configurations can be performed using the TiSferaDesign software supplied with the device

Software configuration is highly recommended as it simplifies and speeds up the whole procedure. It also gives the possibility of saving on the PC all the configuration data and the residents address book for later updates or Modifications.



4.2 Connection to the PC

To transfer the configuration performed using the TiSferaDesign software, or to update the firmware, connect the Sfera display Module to the PC using a USB-miniUSB cable.



When updating the software the device must be powered.

The Sfera display Module connected through a USB cable is recognised by the PC as a virtual port (VIRTUAL COM); the TiSferaDesign software automatically recognises its address.

5.1 Alphanumeric mode call

Aaaa
Aaa

Bbbb
Bbb

Cccc
Ccc

Dddd
Ddd

- 1 Using the keys ∇ \wedge select the name of the residents to call
The ∇ key can be used to scroll quickly through the address book

- 2 Press OK to confirm

Cccc
Ccc



- 3 The call has been forwarded

Cccc
Ccc



- 4 The conversation is active

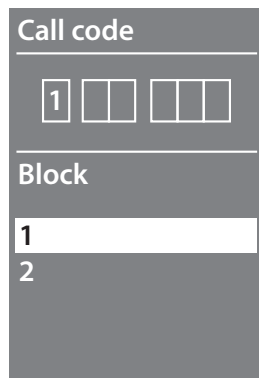


- 5 This screen indicates that the apartment is busy

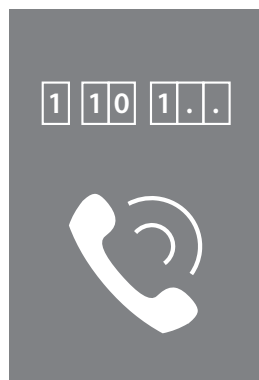


- 6 The conversation has ended

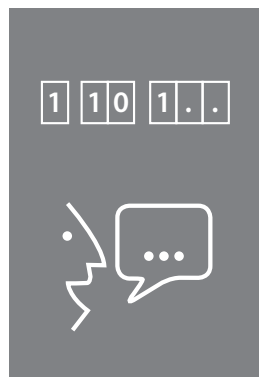
5.2 Numeric BFA mode call



- ❶ Using the keys ∇ \wedge select the Block
- ❷ Press **OK** to confirm
- ❸ Repeat for the Floor and the Apartment



- ❹ After confirmation of the Apartment the call is forwarded



- ❺ The conversation is active

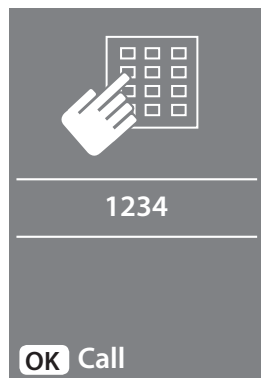


- ⑥ This screen indicates that the apartment is busy



- ⑦ The conversation has ended

5.3 Keypad module call

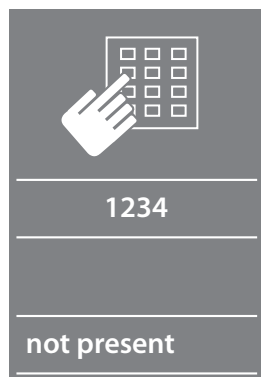


If the keypad module is present and the resident's code is known, it is possible to make a call entering the code on the keypad directly

- 1 Enter the code on the keypad
- 2 Press **OK** to forward the call



- 3 The call has been forwarded



- 4 If the wrong code has been entered, the screen on the side appears

6 Appendix

6.1 Technical data

Power supply from BUS	18 – 27 Vdc
Absorption	40 mA (Stand-by with LEDs off)
	50 mA (max in operation)
Display type	Negative transfective FSTN
Display resolution	160 x 240
Operating temperature	(-25) – (+70) °C
Protection index (with pushbutton panel assembled and installed)	IP 54

Customer Technical Support

BTicino only guarantees the perfect operation of the device if this is installed following the state of the art requirements, complying with the instructions of the product installer manual.

www.bticino.com

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