

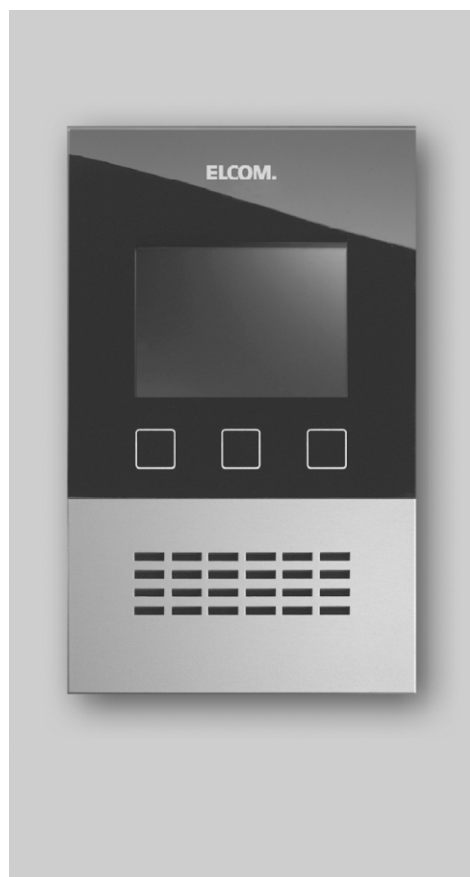
# ELCOM.

Kommunikation und Sicherheit

## BVF-260

Hands-free video  
Telephone

User manual  
Version 40





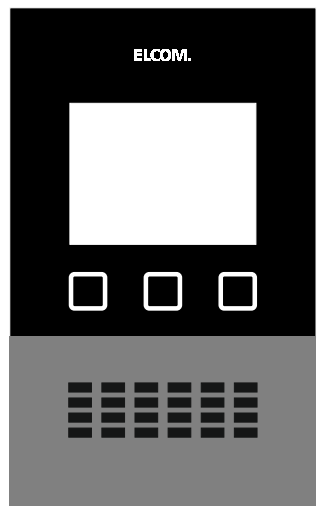
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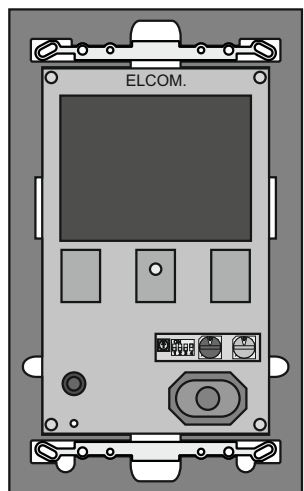
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# Overview

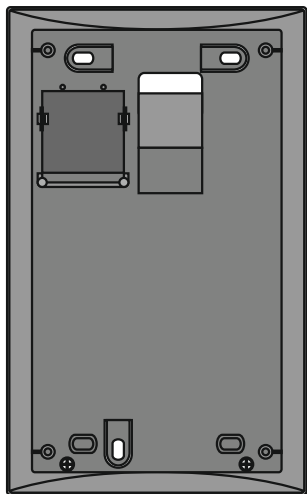
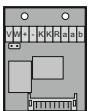
The complete BVF-260 hands-free video telephone consists of the following components:



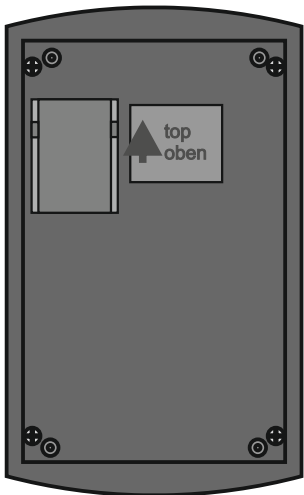
BVF-260 Designer faceplate



BVF-260BE Base unit with terminal board



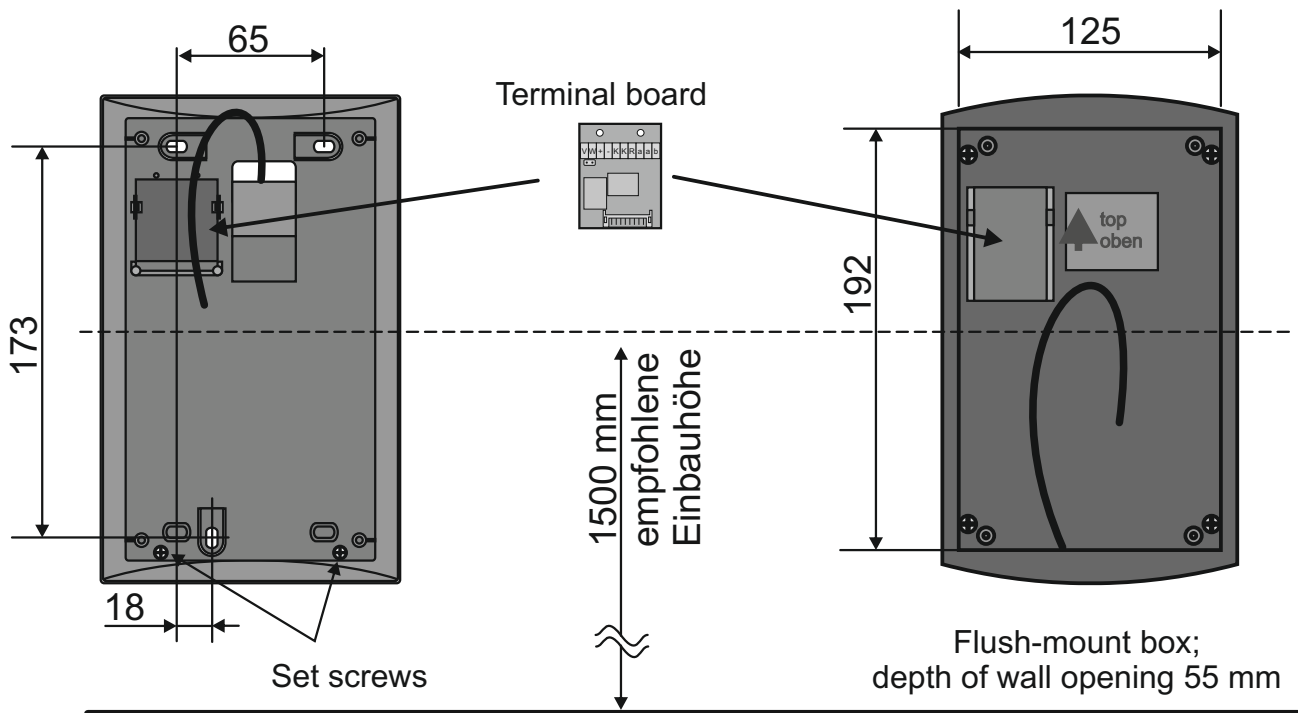
For wall mounting:  
BVF-APG Wall-mounted housing



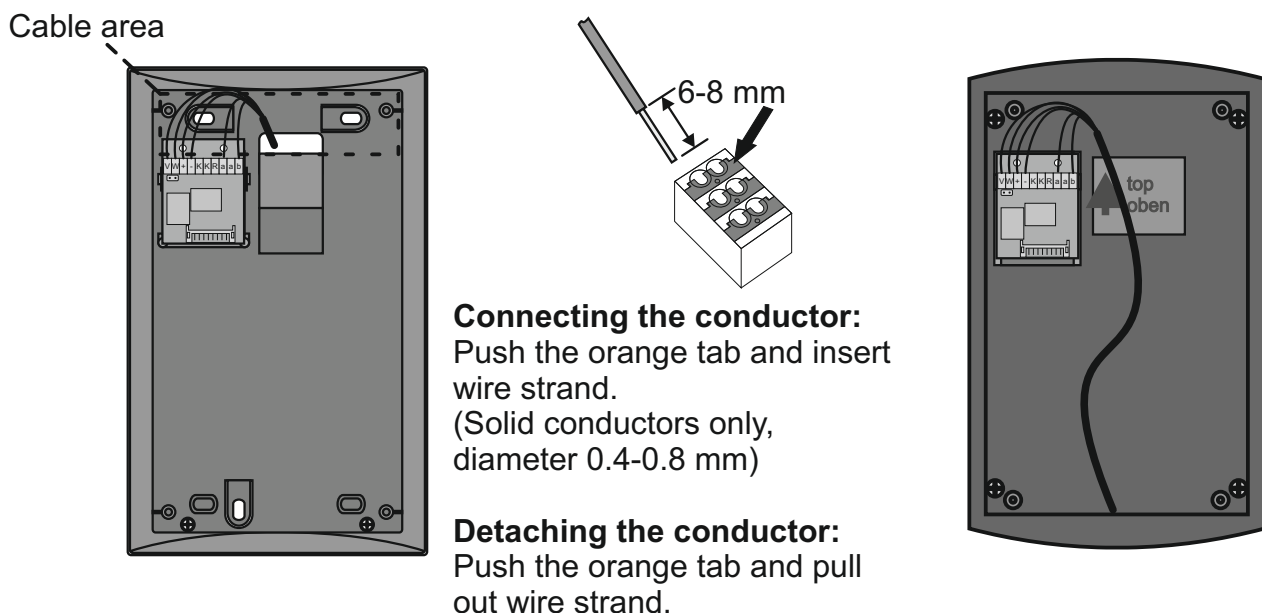
For flush mounting:  
BVF-UPK Flush-mounted box

## Installation

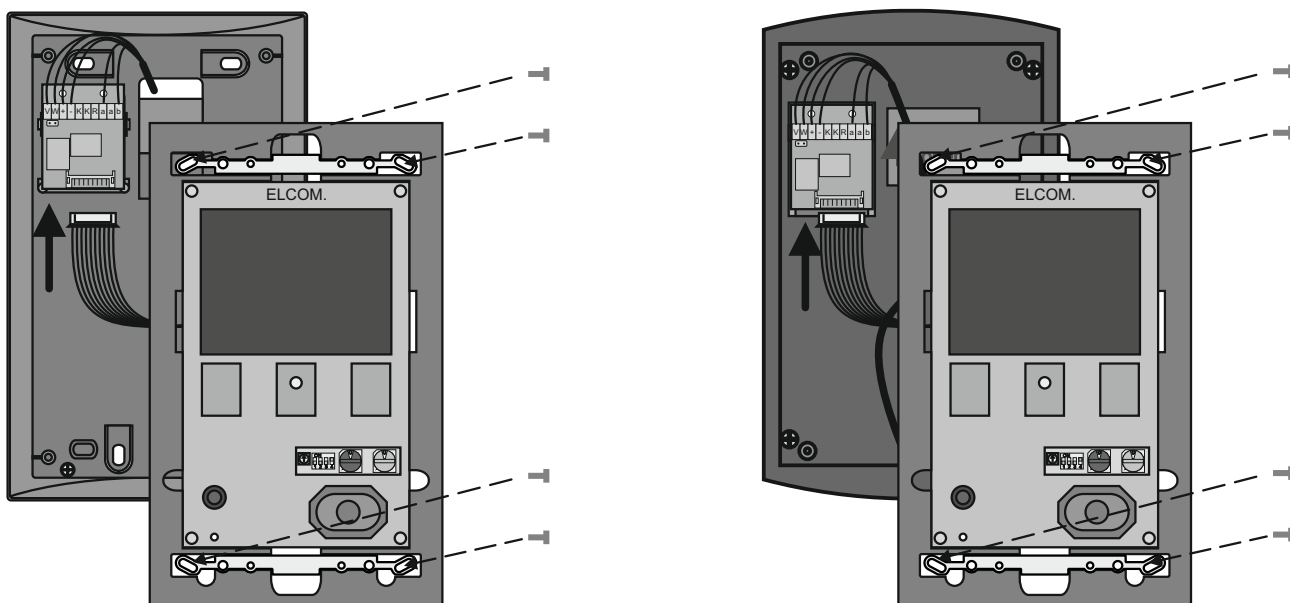
1. Insert cable into wall-mounted or flush-mounted housing and install housing.  
Recommended **installation height 1500 mm**. If the wall-mounted housing is used, uneven places in the wall can be adjusted with set screws.  
**Please pay attention to a horizontal, stable and torsion-free mounting of the housing.**
2. Lock the terminal board into installation slot provided.



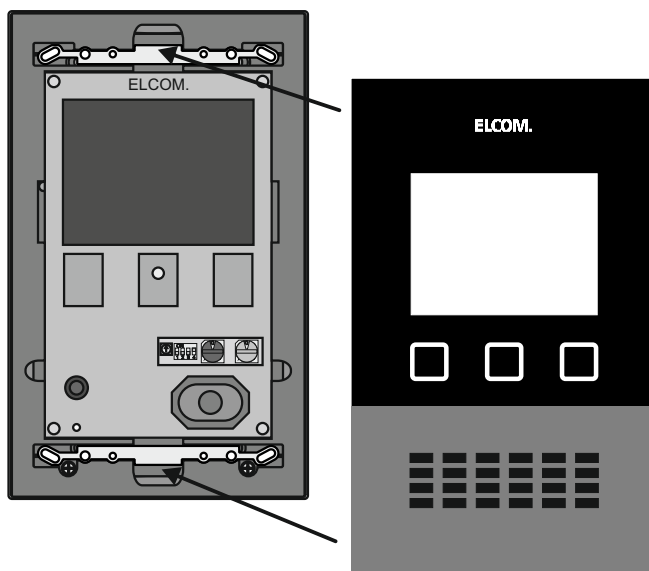
3. Strip and connect cable. Plug or remove the video terminator in accordance with the wiring.  
In the wall-mounted housing, the connector cable may only be placed into the cable area provided. In the flush-mounted box, the cable must run near the back wall.



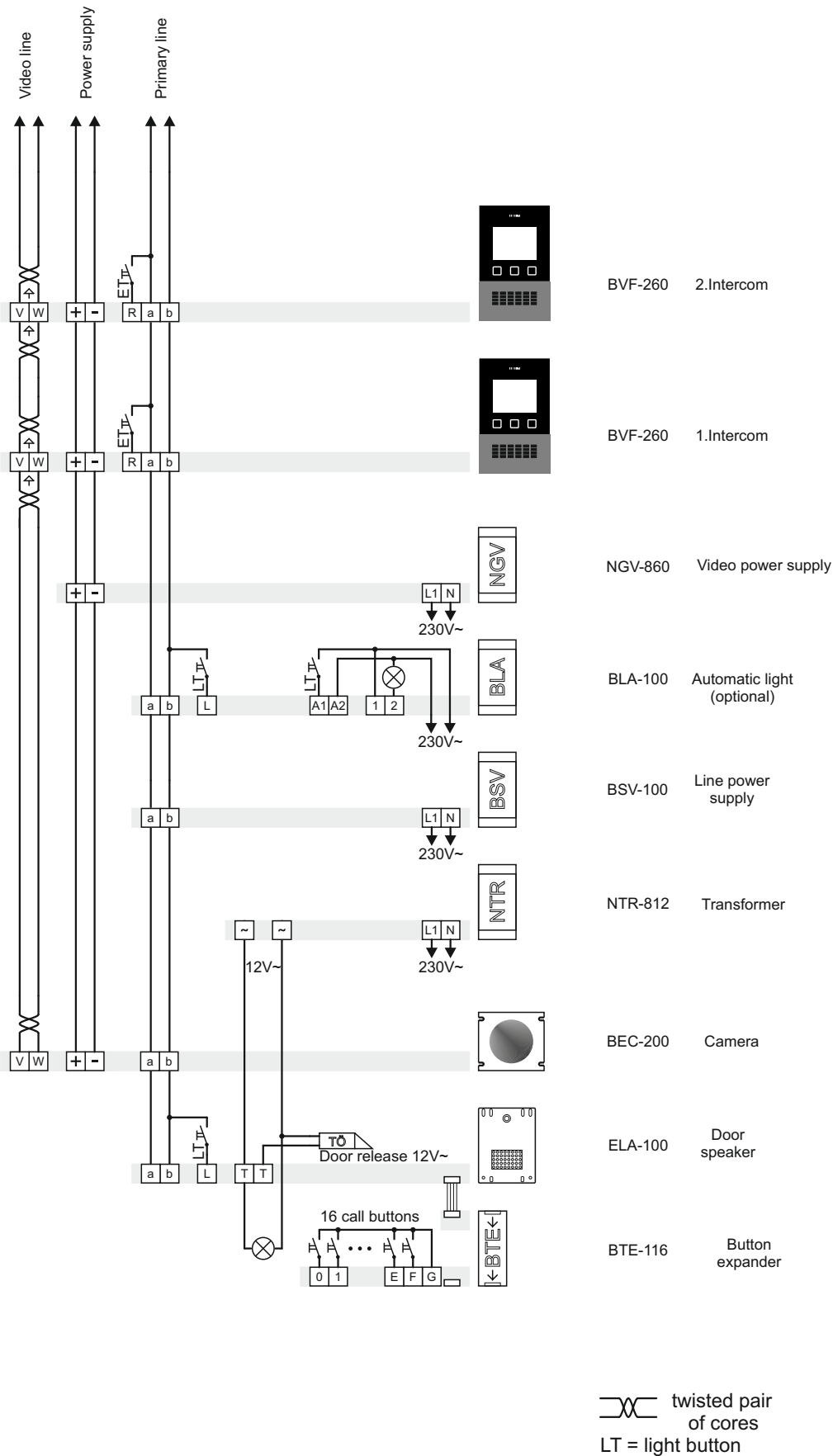
4. Insert basic unit connector cable into the terminal board.
5. Place basic unit into the wall-mounted housing / flush-mounted box and screw in place.



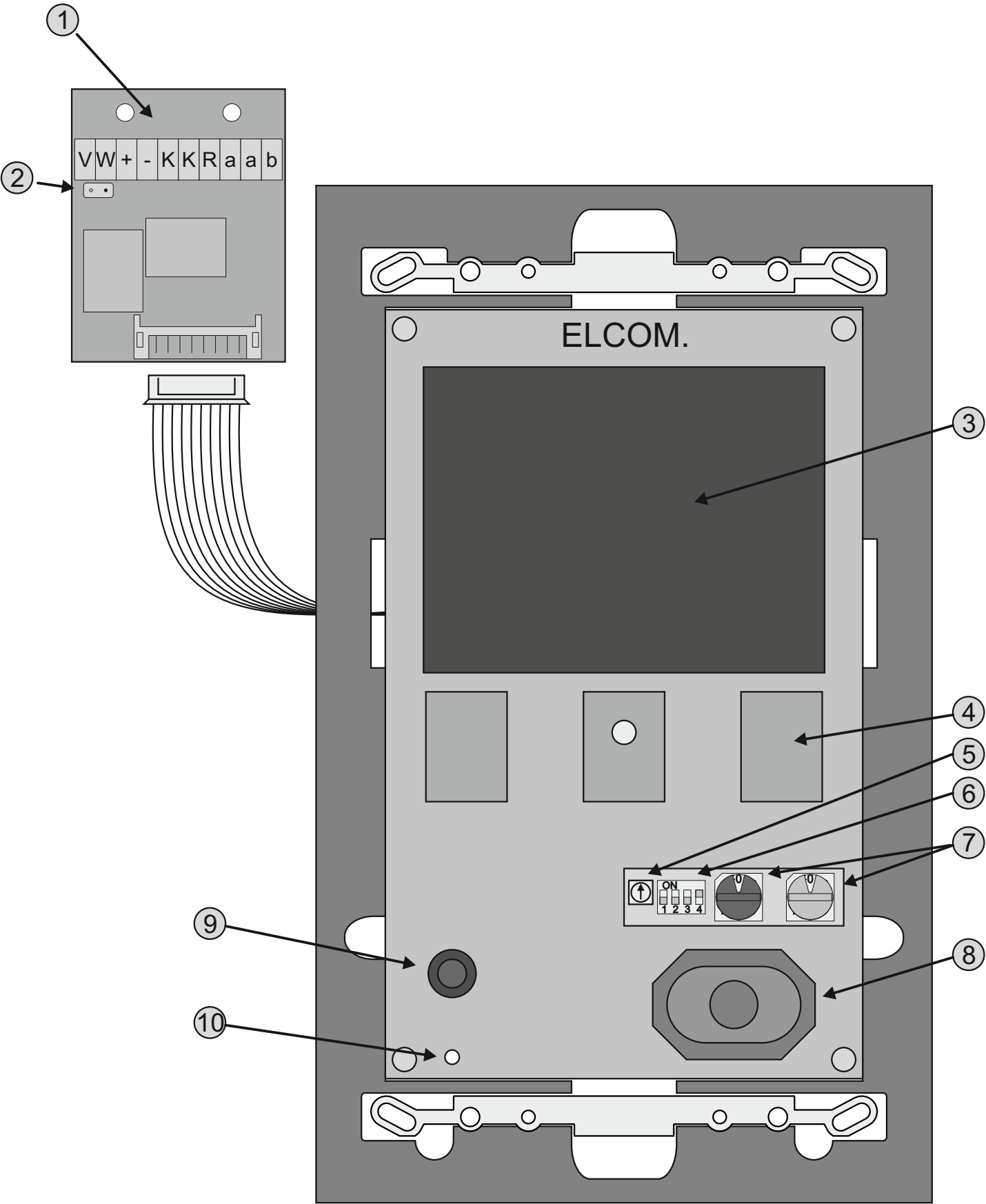
6. Set the operating mode switches and address dials.
7. Finally, set the magnetic designer faceplate in place. After placement of the designer faceplate, the sensor buttons will require about 60 seconds for recalibration.








# Installation diagram (example)



Description



## 1. Terminal blocks

	ELCOM i2 bus terminal (both "a" terminals are connected internally)
	Connection for storey call button (counterpole terminal a or b)
	NO (Normal Open) relay contact, 24V/1A (see Programming for functions)
	Video power supply (15VDC / 300mA)
	Video input (symmetrical 1Vp-p Z=100Ohm)

## 2. Video terminator

The jumper must be plugged into the last telephone on the video line, but pulled out for all the previous telephones! Each video line must be completed at the end. Video strand termination per line: 100 ohms. Be sure the Installation instructions noted in our system manual.

## 3. 4" TFT-Display

## 4. Sensor buttons

## 5. Video image quality potentiometer

The adjustment control can be used to compensate partly for line losses.

## 6. Operating mode switches

Switch		Function
1	<b>OFF</b>	Manual door and camera actuation possible (factory setting)
	<b>ON</b>	Manual door and camera actuation locked
2	<b>OFF</b>	No storey call forwarding (factory setting)
	<b>ON</b>	Storey call forwarding to parallel addressed telephone
3	<b>OFF</b>	Changes to Setup menu possible (factory setting)
	<b>ON</b>	Setup menu locked
4	<b>OFF</b>	Normal mode (factory setting)
	<b>ON</b>	Parallel call to telephone address 0 for identical group address

## 7. Address dial

black:           Group address (0-F)  
blue:           Telephone address (0-F)

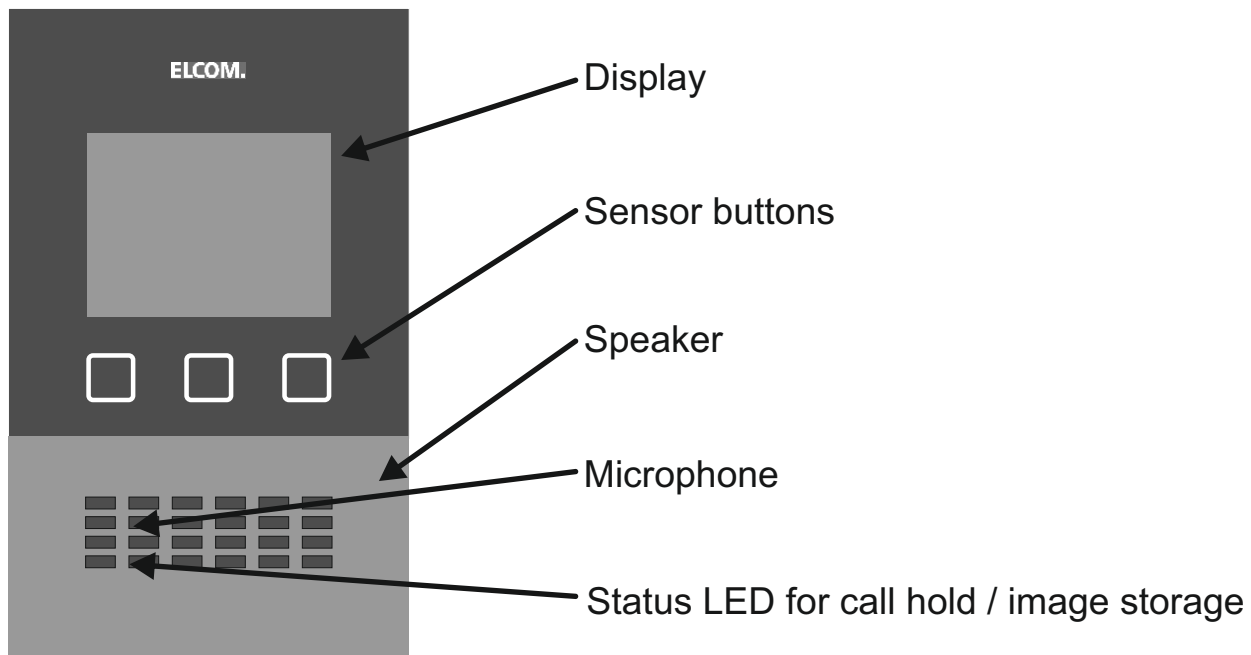
At most 3 telephones may be installed with the same address!

## 8. Speaker

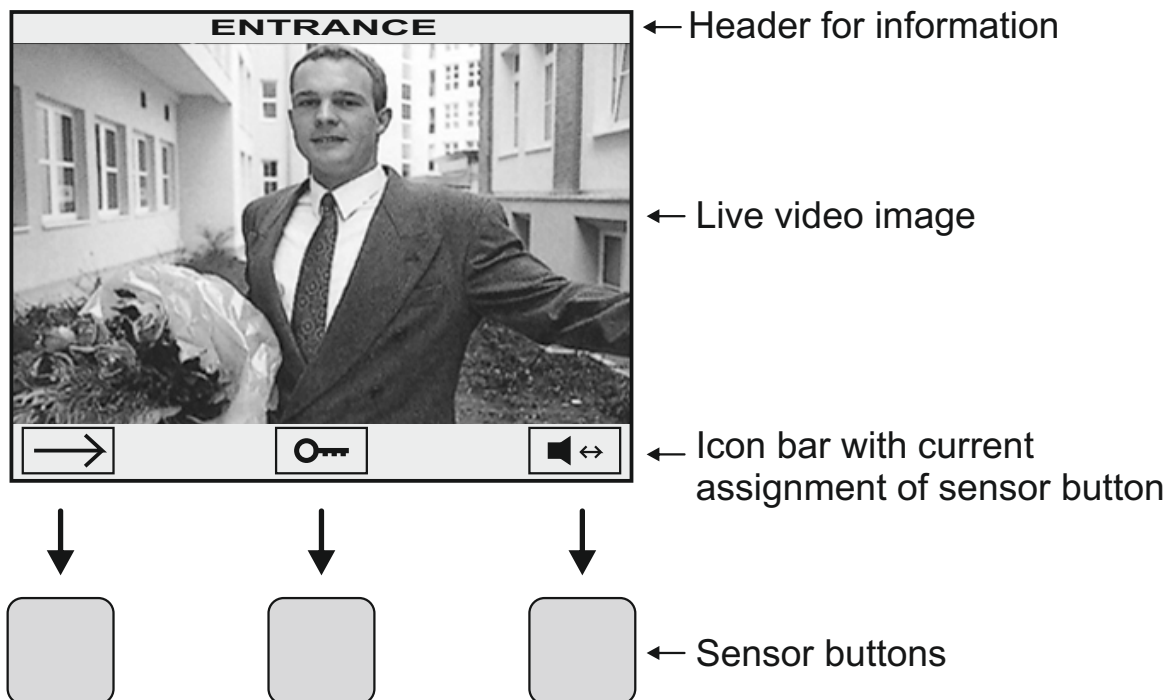
## 9. Microphone

## 10. Status LED

## Control elements



## On Screen Display



## Settings

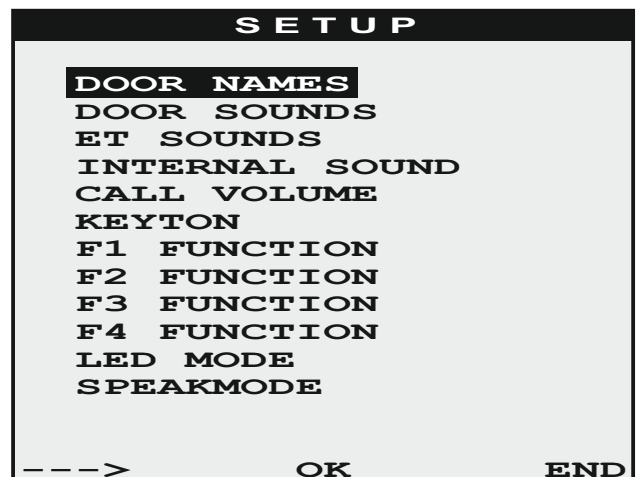
To call the main menu, press any sensor button in the idle state.

There, use the SETUP / SETTINGS button to select, then press the OK button.

Note: DIP switch 3 can be used to block access to the settings.



Select the desired function from the SETUP menu with the ---> button, then press OK. The END button takes you back to the main menu.



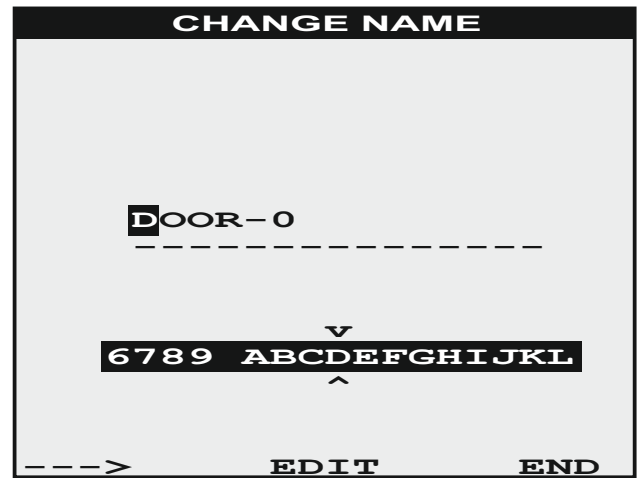
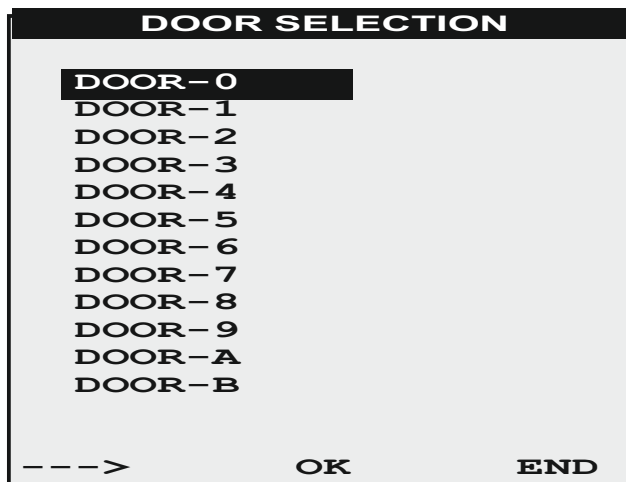
The following menu items are available for selection:

<b>DOOR NAMES</b>	Door names for the first 16 doors (TAdr 00-0F)
<b>DOOR SOUNDS</b>	Ring tone assignment for 16 doors (TAdr x0-xF)
<b>ET SOUND</b>	Setting of the storey ring tone
<b>INTERNAL SOUND</b>	Setting of the internal ring tone
<b>CALL VOLUME</b>	Ring tone volume for door, storey and internal calls
<b>KEYTON</b>	Volume of the button response tone
<b>F1-F4 FUNCTION</b>	Programmable special functions
<b>LED MODE</b>	Display options for the status LED
<b>SPEAKMODE</b>	Toggling between full and half duplex modes
<b>LANGUAGE</b>	Setting of user language (German or English)
<b>ENVIRONMENT SCAN</b>	Function for reading of the door/camera configuration
<b>FACTORY SETTING</b>	Restoration of factory settings
<b>SCREENPOS</b>	Horizontal offset of image display

## DOOR NAMES

Activate the function SETTINGS / DOOR NAMES.

You see a list of current door names sorted by door addresses 0-F.



Select the door name to be changed, then press OK.

You enter the CHANGE NAME menu.

Use the EDIT button to change the letter selected.

The ---> Move to the next letter.

The END button takes you back to the name list.

Note: The space between the characters 9\_A is inverted on the display, and should be used as a blank within a name. The space between >\_0 is not inverted on the display and is used as a padding character or to delete letters at the end of the name.

## DOOR SOUNDS

You can assign different ring tones to different doors.

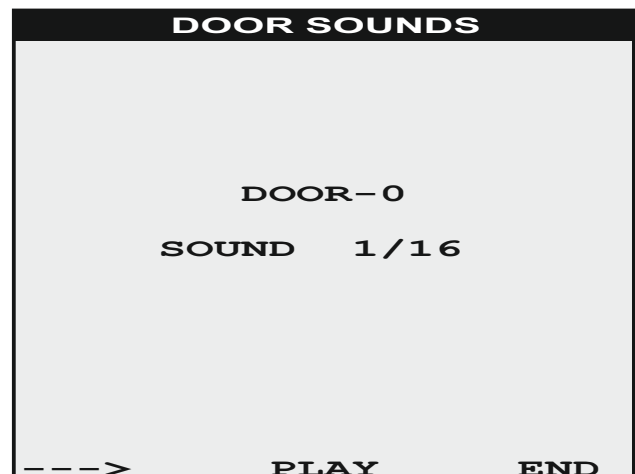
There are 16 different ring tones available. To change the ring tones, go the SETTINGS / DOOR SOUNDS menu.

Select the doors to be changed from the list, then press OK.

The door name and currently configured ring tone are displayed.

The ---> button can be used to change the ring tone.

The END button leaves the ring tone configuration menu.



## STOREY / INTERNAL RING TONE

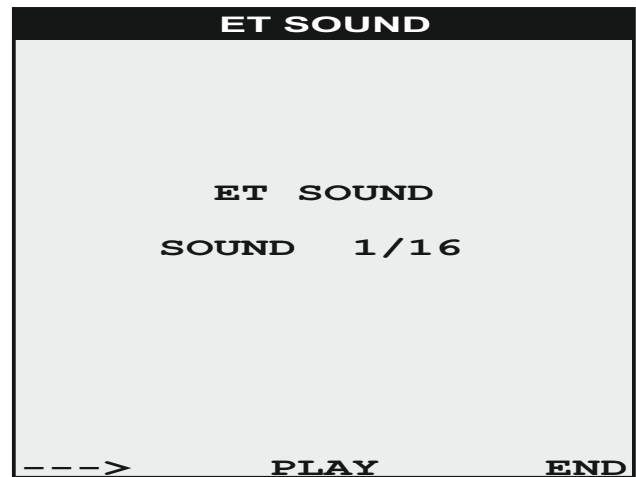
To configure the storey ring tone,  
go to the menu:

SETTINGS / ET SOUND

To configure the internal ring tone,  
go to the menu:

SETTINGS / INTERNAL SOUND

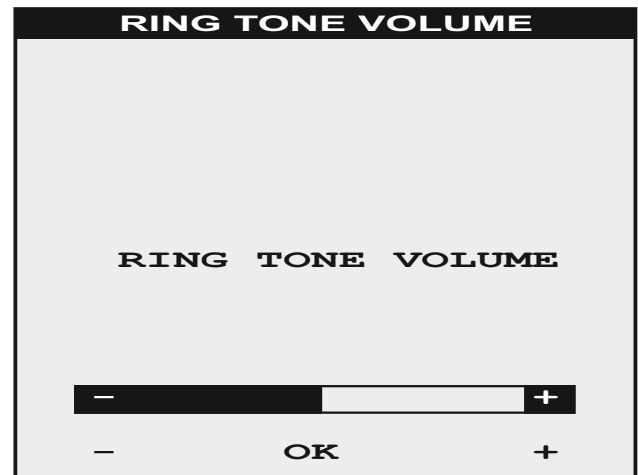
Configuration of the ring tones is done  
as described for door ring tones.



## RING TONE VOLUME

After calling the function, a ring tone is  
played at the current volume. The ring  
tone volume configured is displayed as a  
bar.

The left button can be used to reduce  
the volume, and the right button to  
increase it. The OK button quits and  
saves the configuration.



## KEYTON

The KEYTONE menu allows adjustment  
of the volume for the keytone.

The +/- buttons can be used to adjust  
the desired volume. The OK button quits  
the configuration.



## F1-F4 FUNCTION

It is possible to set up four special functions F1-F4.  
An overview of the possible functions can be found in the table below.

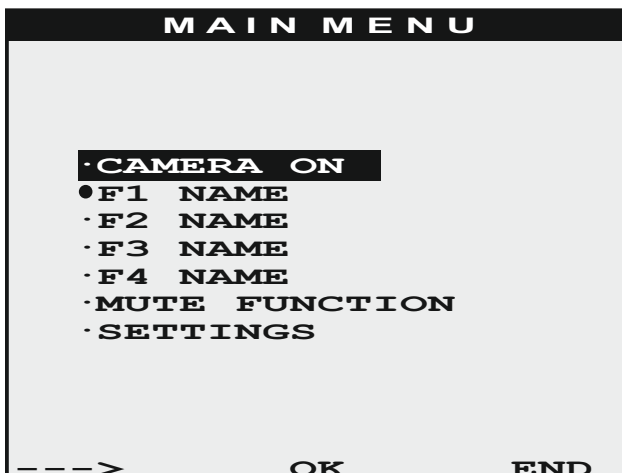
To set up a special function, select the corresponding function F1-F4.  
The ---> can choose from among the settings Name, Code and Parameters. The EDIT button can be used to change the settings. The END button takes you back to the previous menu.





### Description of the menu items:

- NAME: Configuration of a custom name for the function that will be displayed in the main menu.
- CODE: The CODE must be set for the desired special function according to this table.
- PARAMETER: The parameter permits, for example, the address to be configured or a time to be specified for the selected special function. You can find more information in this table.


Calls to the configured special functions are either made from the main menu by selecting the corresponding menu item or, if possible, during a door conversion, by selecting the icons F1-F4 (function-dependent).  
The dot in front of the name shows the status of the function.



## FUNCTION OVERVIEW

CODE		Description	PARAMETER		Description
	<b>0</b>	Function deactivated (factory setting)	<b>0</b>		No parameter specification needed
●	<b>1</b>	Control command for door release in idle state (door release at any time)	<b>0</b>		No parameter specification needed
●	<b>2</b>	Control command for light control in idle state	<b>0</b>		No parameter specification needed
	<b>3</b>	Internal call to telephones with group address "F" (concierge call)	<b>0-F</b>		Telephone address for the desired telephone (concierge call = "F")
	<b>4</b>	Internal call to telephones with identical group address (black dial)	<b>0-F</b>		Telephone address for the desired telephone (blue dial)
	<b>5</b>	Portamat door call - Automatic control of the door release after ~1 second a door call	<b>0-7</b>		Parameter = activation period in seconds 0=1; 1=2; 2=3; 3=4; 4=5; 5=6; 6=7; 7=8
	<b>5</b>	Portamat storey - Automatic controll after ~1 second call using with BER-140 relay	<b>8-F</b>		Parameter = activation period in seconds 8=1; 9=2; A=3; B=4; C=5; D=6; E=7; F=8
	<b>6</b>	NO (Normal Open) relay contact  terminal (KK) Portamat as storey call (1)	<b>0-7</b>		Parameter = activation period in seconds 0=1; 1=2; 2=3; 3=4; 4=5; 5=6; 6=7; 7=8
●	<b>6</b>	NO (Normal Open) relay contact  terminal (KK) Direct control (1)	<b>8-F</b>		Parameter = activation period in seconds 8=1; 9=2; A=3; B=4; C=5; D=6; E=7; F=On/Off
	<b>7</b>	Parallel call to another telephone (only for identical group address)	<b>0-F</b>		Telephone address of the other telephone (blue address dial)
●	<b>8</b>	Control of a BSR-140/BSR-200 (V2020) relay	<b>0-F</b>		Address of BSR-140/BSR-200 control relay
●	<b>9</b>	Door release direct control <i>note: Only possible if a call was previously made from the door station</i>	<b>0-F</b>		Address of the assigned door station
	<b>A</b>	Call forwarding to another telephone (only for identical group address)	<b>0-F</b>		Telephone address of the other telephone (blue address dial)
	<b>B</b>	Video monitor in parallel operation	<b>0</b>		No parameter specification needed
	<b>C</b>	Reserved - no function	<b>0</b>		No parameter specification needed
	<b>D</b>	Reserved - no function	<b>0</b>		No parameter specification needed
	<b>E</b>	Reserved - no function	<b>0</b>		No parameter specification needed
	<b>F</b>	Reserved - no function	<b>0</b>		No parameter specification needed

(●) Function available during a door conversation.

(1) If no special function is set up with CODE 6, the relay contact  works as a call relay contact

## LED MODE

The built-in status LED can be configured to display the states for the following functions.

- Active mute function
- Recording in external video image storage
- Active special function F1-F4

The status LED can be in the following operating modes:

- Fast flash (FAST)
- Slow flash (SLOW)
- Turned on (ON)
- Turned off (OFF)

LED MODE		
MUTE	FUNCTION	FAST
VIDEO IMAGE		
	STORAGE	ON
·F1	NAME	OFF
·F2	NAME	OFF
·F3	NAME	OFF
·F4	NAME	OFF
---		
EDIT		END

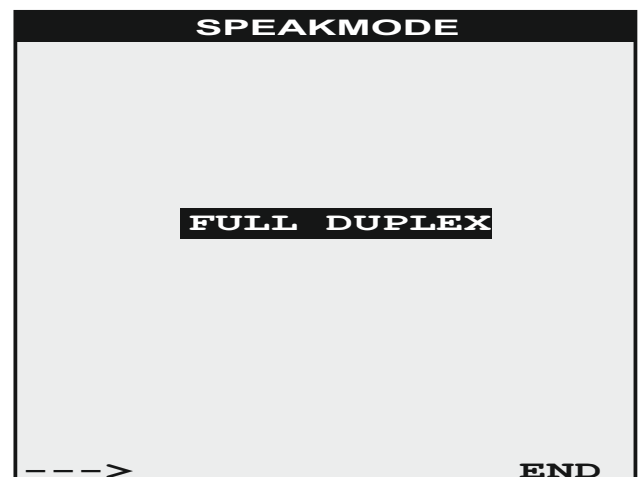
The operating mode "Fast flash" (FAST) has the highest priority, followed by (SLOW) and (ON). The function with the highest priority is always displayed. To set up each priority, use the ---> button to select the function. The EDIT button can be used to change the priority.

## SPEAKMODE


After calling the function, you can use the ---> button to switch between the full duplex and half duplex settings. The END button takes you back to the previous menu.

### FULL DUPLEX

In full duplex mode, the system switches automatically between listening and talking. The switching takes place independently of the volume and characteristics of the speech signal.



### HALF DUPLEX

In half duplex mode, the system switches between listening and talking using The  button. With the button pressed, you can speak from the BVF-260. (push to talk). If the button is released, you can hear the other person. Half duplex mode is recommended in an acoustically difficult environment.

## LANGUAGE

The user language is configured in the SETTINGS / LANGUAGE menu. You can switch between the English and German languages.



## ENVIRONMENT SCAN

The function is used to read in the door configuration and to detect additional cameras. When the OK button is pressed, the scanning process starts and the device is then turned off.

In this process, all existing assignments are deleted and then read back in.

**So press the call buttons of the BVF-260 again on all door stations afterwards!**



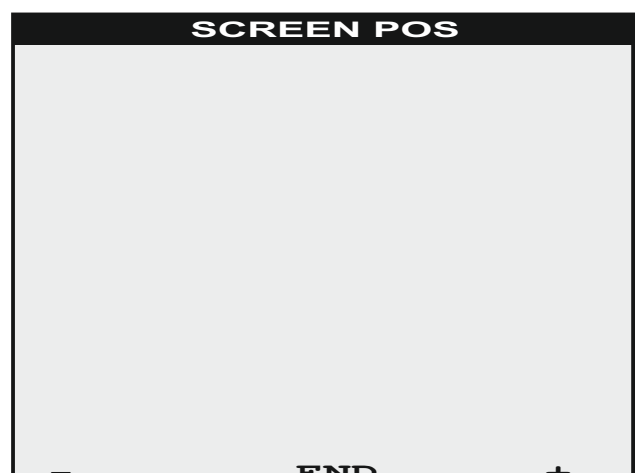
## FACTORY SETTINGS

To restore the device to its factory settings, push the OK button after calling the function.




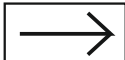





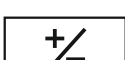
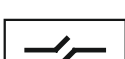
## SCREEN POS

The SCREEN POS function permits the horizontal adjustment of the screen display. The + button moves the display to the right, and the - button moves it to the left.



## Operation

### SYMBOLS



	Activating the voice connection
	Function selection
	Door openers
	Light
	Camera-/ Door speaker switching
	Programmable special functions F1-F4
	
	Configuration of volume / microphone / brightness / contrast / colour
	Breaking the connection in half duplex mode

### Functional description


#### Voice connection / Speakmode

In a voice connection, speakmode works differently depending on whether voice mode is configured in full or half duplex.

##### 1. Full duplex (factory setting)

In full duplex mode, the system switches automatically between listening and talking. The switching takes place independently of the volume and characteristics of the speech signal. The voice connection is turned on when the  button is first pressed, and then turned back off when it is pressed again. By adjusting the settings for volume and microphone, the switching behaviour can be optimised. (See  setting)

##### 2. Half duplex


In half duplex mode, the system switches between listening and talking using The  button. When the button is pressed, you can speak through the BVF-260, and when the button is released you can hear the other person. (push to talk).

To end the call, the Disconnect  function is used.


Half duplex mode is recommended in an acoustically difficult environment.

The speakmode is configured in the menu:  
MAIN MENU / SETTINGS / SPEAKMODE

## **Function selection**

If the  icon is displayed above the left button, this button is used for function selection. Press the left button until the desired function icon is displayed.

## **Door openers**


To control the door release, press the function key .

## **Light**



To turn on the light, press the function key .

Prerequisite: i2-bus light controller or control relay.

## **Camera-/ Door speaker switching**

If multiple cameras are available, the  function can be used to switch between the different cameras. If the camera is turned on manually, this function is used to switch between the different door stations and cameras.


## **Programmable special functions**

To control the special function, press the function key  to .

## **Configuration of volume / microphone / brightness / contrast / colour**

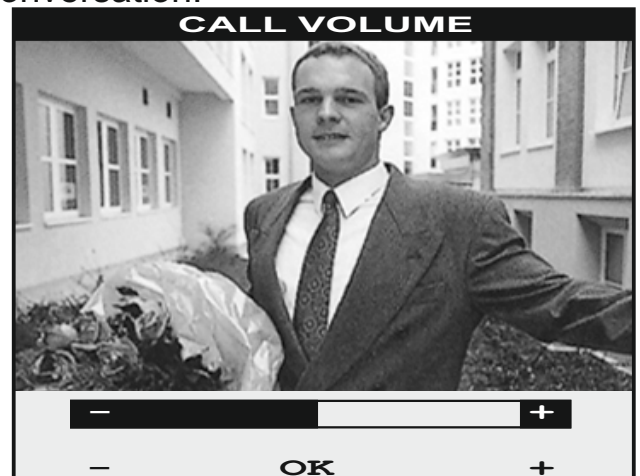
The settings for voice volume, microphone sensitivity, brightness, contrast and colour can only be changed during a door conversation.

During an internal call, you have the option of adjusting the settings for volume and microphone sensitivity. The settings for internal calls are independent of the settings for door calls.

To change the settings, select the  function. You now have the option of selecting the desired property (volume, microphone, brightness, contrast or colour). After selection with the OK button, a bar display appears with the currently configured value.

This can be changed with the left or right button.

The OK button is used to save the setting and then you return to the property selection. By pushing the END button, you can leave the settings.



## **Disconnecting**



The function  is needed in half duplex mode to end the voice connection.

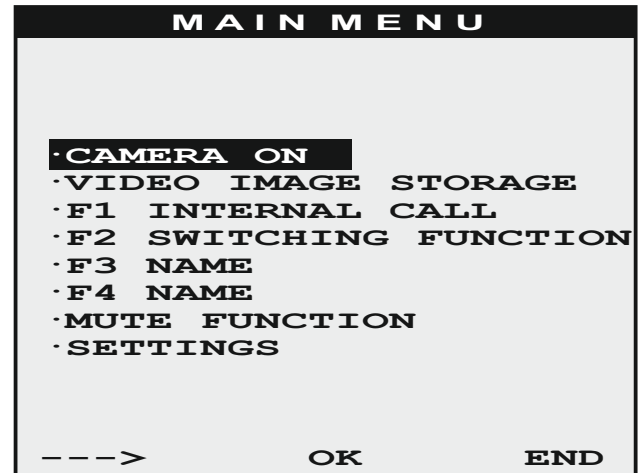
## MAIN MENU

To reach the main menu,  
push any button in the idle state.  
The ---> can select a function.  
The function is called by pressing  
the OK button.  
The END button turns the unit off.

### CAMERA ON

This function can be used to turned on  
the video image or door camera without a  
previous ring. The microphone of the door  
speaker is also activated.

The audio signals are played on the  
speaker of the BVF-260. The microphone  
on the BVF-260 is initially turned off. To turn  
the microphone on, press the button .  
If multiple doors and cameras are in use  
and assigned to the BVF-260, the  button  
can be used to switch between  
different doors and cameras.



### VIDEO IMAGE STORAGE (optional)

The function is only available if video image  
storage is installed. When the function is  
called the image record last stored is  
displayed. By pushing the --> button,  
you can call up earlier records.

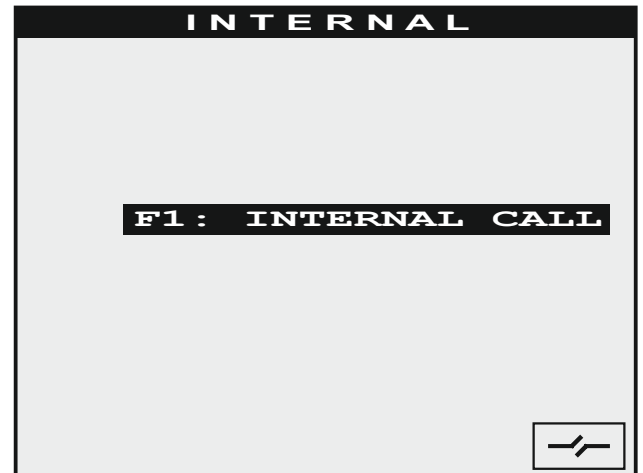
The DEL button deletes all stored images.  
The BVF-260 can be turned off by pressing  
the END button. If there are no images  
stored, the function cannot be activated!  
New records are signaled by a large dot in  
front of them and optionally by the status  
LED. After the function is called, the dot and  
the status LED are both turned off.



## F1-F4: INTERNAL CALL

If a special function F1-F4 is set up for internal calls, it appears on the main menu. The displayed name is custom configurable. After activation of the function, the internal telephone is called. The configured name is displayed on the OSD.

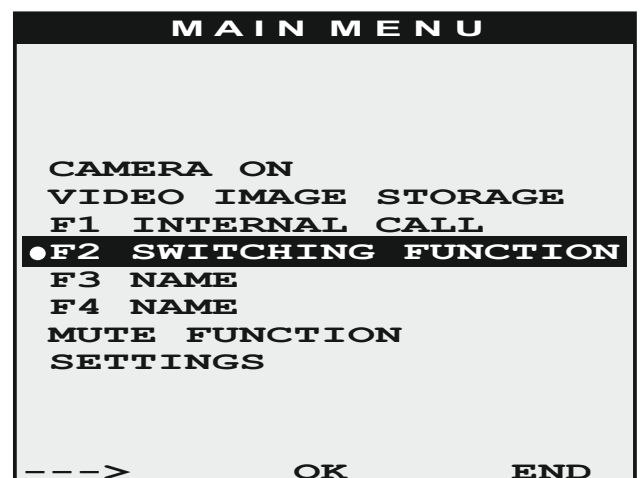
If the telephone called picks up, a voice connection is made immediately. The right button (Disconnect) can be used to end the internal call.



## F1-F4: SWITCHING FUNCTION

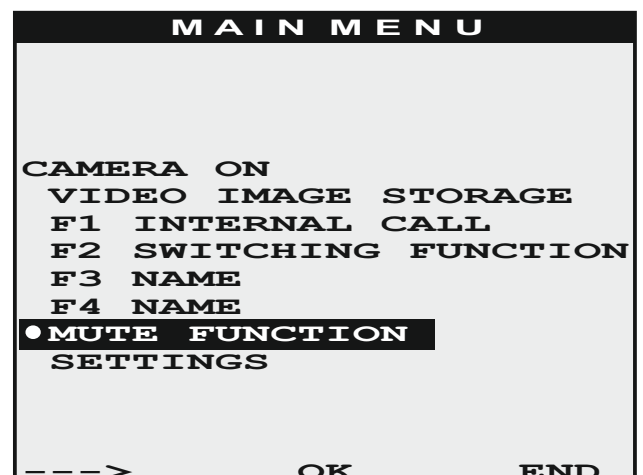
If a special function F1-F4 is set up as a switching function, it appears on the main menu. The displayed function name is custom configurable. The switching function is called by pressing the OK button.

An active function is denoted by a large dot in front of it.



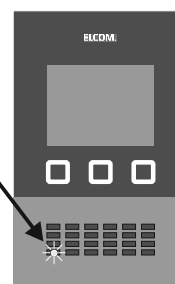
## MUTE FUNCTION

When the function is selected and OK pressed, mute function is turned on or off. When mute function is turned on, there is a large dot in front of it and the status LED flashes fast. (Assuming factory settings)



## SETTINGS

Basic device settings are changed here. This menu item can be locked with DIP switch 3. (see page 9)



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**Notes**



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