

(D) Funk Video-Türsprechanlage

Bedienungsanleitung Seite 2

(F) Interphone vidéo sans fil

Mode d'emploi page 14

(GB) Wireless Video Door Intercom

Operating instructions page 25



1. Introduction

Read through these operating instructions fully and carefully. The operating instructions belong to this product and contain important points concerning bringing the appliance into service and its operation. Always pay attention to all safety instructions. Should you have any questions or be unsure about operating the appliance ask a specialist. Keep these instructions in a safe place and should the need arise pass them on to a third party.

2. Proper use

The DVT40 wireless video intercom system consists of a DVT40T door intercom with a protective cover and a DVT40M mobile unit with charging station and power supply unit.

The mobile unit has a 2.4 inch monitor and is operated by buttons.

When the bell button on the door intercom is pressed, it rings on the intercom itself and on the mobile unit (ring tone of the mobile unit can be changed, as can the ring duration and volume of the mobile unit and door intercom). The live image from the camera appears on the screen and a snapshot is saved on the mobile unit (this function can be deactivated). When the talk button is pressed on the mobile unit, a conversation can take place using the half-duplex method (intercom mode); a hands-free system is fitted to both devices. Snapshots can optionally be saved during the conversation and the optional door release can be activated.

It is possible to switch on the camera image on the mobile unit for visual monitoring, start a conversation through the door intercom, save snapshots or trigger the optional door release at the press of a button and at any time.

A colour picture will be displayed. When it is dark, the white LEDs built into the intercom are activated to illuminate the face of the person in front of the camera and the image appears in colour. Additional lighting can be installed to improve the picture quality at low ambient light levels.

The video and audio transmission is wireless using a frequency of 2.4 GHz.

The system can be extended to include a second intercom and a second mobile unit.

The following devices can also be connected to the intercom if required:

- an electric door release that can be unlocked from the mobile unit
- a signal generator (e.g. a bell or a flashing light) that is triggered when the ring button is pressed
- a button to activate a connected door release

The outdoor station is for surface mounting and is weatherproof (Protection class IP55), it can be mounted in a location outdoors which is sheltered from direct rainfall. The charging station with power supply

unit and the mobile unit must be protected against moisture.

The door intercom can be operated either with 2x LR14(C) batteries or with a 9-12 V DC power adapter (neither supplied).

The lithium battery in the mobile unit is charged automatically on the charging station, which is connected to the mains (230V~, 50 Hz) via the power supply unit supplied. The integrated battery makes the mobile unit portable.

Any other use or modification of the device is not authorised. No liability will be accepted for consequential damages or for damages caused by improper use or incorrect operation. No liability will be accepted for consequential damages caused by any function or by malfunction. Unless any liability is specifically required by law, claims for damages, in particular those for personal injury or property damage caused by non-functioning or malfunctioning of the machine, are excluded.

This appliance is not intended to be used by people (including children) with restricted physical, sensory or mental capacities, or a lack of experience and/or knowledge, unless they are supervised by, or receive instructions how to use the appliance from a person responsible for their safety.

3. Package contents (s. fig. A)

- Outdoor station
- Protective cover including torx screw and torx screwdriver
- Fixing material
- Mobile unit
- Lithium battery
- Charging station for mobile unit with power supply unit
- User manual

4. Features and Equipment

Mobile unit DVT40M (see Fig. A)

- 1 Talk button 
- 2 Buttons < / > / ^ / v
- 3 Button — left
- 4 Mobile unit
- 5 Door release button  (lights blue when the battery is charged)
- 6 Screen

Displays on the start screen:

-  Battery display for mobile unit
- 14:37 Current time
-  The door intercom rang but the conversation was not accepted and a snapshot was saved (symbol flashes red - disappears as soon as menu item "Show images" is opened)
-  Battery in mobile unit almost empty

Displays on the camera image screen:

- 1 # Intercom 1 or 2 is specified
-  Current intercom is being powered via the power supply unit
-  Current intercom is being powered by batteries
-  Indication that the conversation has been accepted and intercom mode is active
-  Connection indicator
-  Snapshot has been saved
- 14:37 Current time

- 7 Button  right
- 8 On/Off button 
- 9 Microphone
- 10 Speaker
- 11 Battery compartment cover
- 12 Charging contact

Charging station DVT40L (see Fig. A)

- 13 Connection for power supply unit
- 14 Charging station
- 15 Power LED
- 16 Charging contact

Outdoor station DVT40T (see Fig. A)

- 18 Speaker
- 19 Name plate
- 20 Outdoor station
- 21 Microphone
- 22 White LEDs
- 23 Lens
- 24 Daylight sensor
- 25 Light for ring button (flashes on pressing the ring button and throughout any conversation)
- 26 Doorbell button
- 27 Connections
 - Taster für TÖ/GND Connection for an optional external button to release the door
 - DC 9-12V / GND Power connection
 - NO/COM Terminals for controlling an optional door release
- 28 Pairing button
- 29 Hole for screw
- 30 Lugs for locking into the protective cover
- 31 Battery compartment cover
- 32 Wires for controlling an optional external signal generator

Accessories (see Fig. A)

- 17 Mains adapter for charging station
- 33 Protective cover
- 34 Hole for security screw
- 35 Magnet for tamper alarm
- 36 Opening for connecting wires
- 37 Fixing hole

- 38 Screw
- 39 Screw
- 40 Plug
- 41 Cover for connection compartment
- 42 Screwdriver
- 43 Security screws

Example of connection (see Fig. B) for:

- Optional button to open the door
- Optional door release with separate power supply
- Power supply unit connection
- Optional signal generator with separate power supply

5. Technical data

Outdoor station DVT40T

Operating voltage	9-12 V  DC (stabilised, min. 300 mA) or 2 Stück LR14 (C), 1,5 V alkaline batteries
Current consumption	max. 200 mA (bei 12 V  DC) max. 500 mA (bei 2x LR14 (C), 1,5 V)
Door release relay	changeover contact, switching capacity max. 1 A with up to 15 V AC/DC (switching duration can be adjusted between 1 and 9 seconds)
Relay for signal generator control	changeover contact, switching capacity max. 1 A with up to 15 V AC/DC (switching duration approx. 3 seconds)
Camera image sensor	1/4" CMOS colour
Camera resolution	640 x 480 pixel
Image angle	approx. 72° (horiz.), 96° (vert.)
Illumination	6 white LEDs (illuminate close range, up to 0.8 m, in darkness)
Radio-frequency	2.4 Ghz
Modulation	GFSK
Radio range	max. 100-150 m with clear line of sight (depending on structural and wireless environment)
Frame rate	max. 15 images/second
Operating temperature	-20° C to + 50° C (Note: below 0° C the wireless range may be reduced)
Protection class	IP 55
Dimensions	104 x 165 x 50 mm (with protective cover)

Mobile unit DVT40M

Lithium Akku	3,7 V, 1100 mAh
Battery power drop	app. 10% after 300 charging cycles
Charging power	via charging station
Initial charging time	5 hours
Standby time	up to 18 hours without charging
Conversation time	up to 2-3 hours without charging

Power consumption	max. 400 mA
Wireless modulation	GFSK
Diagonal screen size	2.4" (6.1 cm)
Monitor resolution	240 x 320 pixel
Integrated image storage	ring memory, max. 100 snapshots
Operating temperature	$\pm 0^{\circ}\text{C}$ to $+ 40^{\circ}\text{C}$
Dimensions	53 x 187 x 26 mm

Charging station DVT40L

Power supply	12 V $\equiv$ DC (mains adapter)
Power consumption	max. 300 mA
Operating temperature	$\pm 0^{\circ}\text{C}$ bis $+ 40^{\circ}\text{C}$
Dimensions	80 x 105 x 95 mm

Power supply for charging station

Power supply	230 V $\sim$ AC, 50 Hz
Output	12 V $\equiv$ DC, 500 mA
Application	indoor use only

6. Safety instructions

The following instructions are provided for your safety and satisfaction during operation of the device. Note that non-observance of these safety instructions results in significant risks of accident.

 **Danger!** Failure to comply with the following instructions can cause fatal injury, damage to health and material damage.

- Do not leave small children unsupervised with the device, packaging material or small parts. Otherwise there is a risk of fatal injury due to choking or suffocation.
- Do not damage any gas, electricity, water or telecommunication lines during drilling and fixing work. Otherwise there are dangers of fire, personal and fatal injury.
- Treat the cables carefully. Lay these so that they cannot be damaged and do not present any tripping hazard. Do not pull the cables over sharp edges and do not crush or crimp them elsewhere. Otherwise there are dangers of fire, personal and fatal injury.
- To prevent injuries, secure the door inter- face reliably in accordance with the installation instructions.
- Ensure that the devices (apart from the door intercom: IP55) and the power supply unit do not come into contact with moisture and do not submerge in water. Otherwise there is a danger of fatal injury.
- Only operate the charging station from the supplied power supply. Before connecting the power supply to the mains, ensure that the mains current complies with 230 V $\sim$, 50 Hz and is fitted with a fuse according to regulations.
- When connecting to the mains, ensure that the door intercom is supplied with the specified voltage by cable and that the mains current complies with 230 V $\sim$, 50 Hz and is fitted with a fuse according to regulations.
- Perform the connection and installation while the mains power is disconnected! Otherwise there is a risk of fatal injury due to electric shock.

- Do not connect any external voltage to the connection terminals. Otherwise there are dangers of personal and fatal injury and fire.
- Ensure that the batteries are not short circuited or exposed to fire. The batteries must not be opened or recharged. Otherwise there is a risk of fatal injury due to explosion!
- Leaking or damaged batteries can cause burns by contact with skin. Handle these using suitable protective gloves.
- Use only the recommended battery types.
- Attention! Danger of explosion if the battery is not replaced correctly. Replace only by the same or equivalent battery type.
- Insert the batteries with the correct polarity.
- If the device is not to be used for some period remove the batteries.
- Do not place the equipment and the batteries near fire, heat or in areas of high temperature.
- Protect the equipment and the cables against strong magnetic or electrical fields and against strong mechanical loads and vibrations.
- Only use the equipment with the supplied original parts or original accessories.
- Before assembly and use check that all parts are included and that they are undamaged.
- Do not connect any damaged device (e.g. damage in transit). Repairs to the equipment must only be performed by specialists.
- Remove the mains adapter from the mains outlet when the device is not required for a longer time.
- This system transmits and receives radio-frequency signals. If the system is not installed and used according to the instructions it may cause interference with other apparatus and just as other apparatus may interfere with the system. Interference can be reduced by repositioning the system.

7. Location of equipment

Before fitting the door intercom, you plan where you want it to go. Check the wireless connection, the picture detail and the function of the intercom microphone from that location before fitting.

Observe the following points:

Outdoor station:

- Mount the outdoor station at such a height that visitors can comfortably reach the doorbell button and that the face of the person ringing the bell is in the field of view of the camera. Pay attention to the height of children in doing so. The vertical field of view of the camera is approx. 96° .
- The outdoor station is usually installed at the side of the entrance door. Ensure that the face of a visitor standing in front of the door can be seen on the monitor. The horizontal field of view of the camera is approx. 72° .
- A bracket for 45° corner fitting on the right or left is available as an option (see "Optional accessories" section).
- Position the outdoor station so that no direct light or sunshine falls on the lens. Avoid strong back lighting behind the visitor: in this case, the person appears darker on the image. Check the

camera image before mounting. Provisionally connect and commission the device and hold the outdoor station in the desired position. If necessary, change the position until you have found the desired view. Remember that the position of the sun changes.

- The camera has white illumination [22] for the close range. This is activated by the daylight sensor [24]. You can improve the quality of the image at night by using additional illumination
- If you want to install the outdoor station outdoors, it must be protected against direct rainfall. If operating with the power supply unit, the unit must be positioned indoors.
- If operating with the power supply unit, ensure that there is a suitable option for feeding the power supply cable through (use a connection cable with a wire cross-section of 0.2 - 0.7 mm²) and, if required, for the connection cables to the optional door release / optional button / optional external signal generator at the point of installation.
- If you wish to connect a door release, please note that this requires its own power supply (power consumption: max. 1 A at up to 15 V AC or DC - see Fig. B). As well as this, please follow the door release operating instructions.
- If you wish to connect an external signal generator, please note that this requires its own power supply (power consumption: max. 1 A at up to 15 V DC - see Fig. B). As well as this, please follow the signal generator operating instructions.

Mobile unit:

- The charging station must be placed on a solid and level surface, ideally approx. 1-1.5 m above the ground and not directly next to a wall (optimal reception).
- Place the charging station in a central position in the dwelling, eg. in the hallway. Make sure that the chime can be heard throughout the dwelling.
- Note that there must be a suitable power outlet within reach of the mains adapter cable.

Wireless range

By free line of sight between a maximum wireless range of up to 100 - 150 m is possible, within buildings this is reduced to maybe 20 m.

The range cannot be guaranteed as it is dependent on the local conditions.

In order to avoid malfunctions, only one wireless system should be fitted for each monitoring location/building/home.

A reduction of the range will be caused by:

- Walls and Floors, in particular those of metal or with metal reinforcement
- Sheet metal surfaces e.g. refrigerator, metal shelves
- Coated windows (eg. those with Insulating glass), radiators, and metal surfaces
- Strong electric fields and other radio equipment, eg. microwave ovens, radio telephones, mobile phones, radio equipment in the 2.4 GHz range, electric motors and power cables
- Devices using the same or similar frequency (eg. WLAN-systems)

8. Fitting, connecting and starting up the door intercom

- Remove the door intercom [20] from the safety cover [33].
- Hold the mounting bracket in the desired location, mark the position of the two fitting holes to be drilled [37] and of a hole for the cable if necessary [36].
- Drill the two fitting holes and insert two plugs [40] if required.
- If necessary, drill a suitable hole through which to feed the cable for the power supply to the door intercom and any other connection cables for the optional door release and/or external signal generator (e.g. an external bell) and/or optional button for opening the door.
- Note: A flush-mounted socket in the wall directly above the cable opening may be helpful to make cable connection easier.
- Feed all the connection cables required through the drilled hole and through the cable opening in the protective cover.

- Fix the mounting bracket to the wall using two screws [39].
- If batteries are to be used:
 - Release the battery compartment cover [31] screw and lever the cover from the outdoor station.
 - Insert 2 pcs. LR14 (C), 1,5 V alkaline batteries (not supplied) into the battery compartment, paying attention to the polarity. Do not use rechargeable batteries.
 - Refix the cover onto the outdoor station with the screw.
 - Set the energy consumption mode if necessary, as described in the note in section 11.2 "Switching on the intercom camera image manually".
- Carefully lever the plastic cover off the name plate [19], remove the name plate, label it, re-insert the name plate and replace the plastic cover over it.
- If connecting a power supply unit and/or other devices, follow connection diagram B:

Notes:

- Only one wire should be inserted into each terminal connection. A maximum of 2 J-Y(St)Y wires with a diameter of 0.6 twisted together may, however, be inserted into one terminal. With three wire ends, a terminal strip or connector must be used to join the wires before the terminal connection.
- The exposed wire end (10-12 mm) must be inserted fully into the terminal connection.
- To connect a 9-12 V DC power supply unit, attach the two wires of the supply unit to the GND and DC9-12V power connection terminals [27]. **Note: The door intercom must not be operated with batteries AND the power supply unit at the same time!**
- If you are using an optional door release with its own power supply, connect it with two wires to terminals [27] NO/COM (max. 1 A at up to 15 V AC/DC). Please also follow the information provided in the door release operating instructions.
- If you are using an optional external signal generator with its

own power supply, connect it with the two wires for the signal generator connection [32] (normally open contact, max. 1 A at up to 15 V DC).

- If you are using an optional button to open the door, connect it with two wires to the terminals [27] "Button for DR" and GND.
 - If you are not using the connection cables [32] for the external signal generator, cut them off immediately next to the connection terminals.
 - Screw the connection cover [41] in place on the door intercom with the four screws supplied [38] so that any cables come out at the bottom of the intercom over the angled surface.
 - Push the outdoor station into the mounting bracket [33] and tighten these using the torx screwdriver [43] and the torx screw [42].
- Note that if batteries are to be used, any cables should have enough slack that the outdoor station can be removed in order to change the batteries.
- If operating with the power supply unit, connect it to 230 V AC.
 - When a connection is made to the power supply, the light on the ring button [25] turns green.
 - Remove the two pieces of protective film from the camera lens [23] and loudspeaker area [18].

9. Connection of the mobile unit

- Connect the low voltage plug on the power supply unit [17] provided to the power supply unit connection [13] on the charging station [14].
- Plug the power supply into a suitable power socket; the power indicator [15] turns blue.
- Open the battery compartment [11] on the mobile unit.
- Insert the lithium battery provided with the terminals in the correct position.
- Close the battery compartment again.
- Remove the protective film from the screen [6].
- Place the mobile unit on the charging station. Charging of the lithium battery begins automatically when the mobile unit is placed on the charger.

Note:

Before using for the first time, allow the mobile unit to charge up fully for 5 hours.

10. Using the mobile unit for the first time

- To switch on, press and hold the on/off button  [8] on the mobile unit [4] until the start screen appears. The start screen switches off again automatically after approx. 20 seconds.
- To change to the screen language of your choice:
 - press the left button  [3],
 - press the button  [2] five times until the menu item  is highlighted,
 - confirm with the left button ,
 - set the language by pressing buttons  and  [2] "0" for

English and

- confirm again with the left button  ["Select"].
- When the mobile unit is switched on, the start screen can be turned on for approx. 20 seconds at any time by pressing a button [1/2/3/5/7/8].
- The battery charge display  at the top right of the start screen [6] indicates the charge status of the mobile unit.
- To switch the mobile unit off, press and hold the on/off button  [8] on the mobile unit with the screen on until the display on the screen disappears.

Note:

When the mobile unit is switched off:

- it does not respond to a ring on the door intercom and
- no camera image is saved
- but if an optional signal generator is connected, it will still respond to a ring
- approx. 6 seconds after a ring, a double tone on the door intercom can be heard as a signal that there is no mobile unit to respond

11. Basic functions (with a door intercom, a mobile unit and a connected door release)

11.1 There is a ring on the door intercom

- Ring:
Pressing the ring button [26] results in
 - a quiet "plop" sound on the door intercom,
 - a bell rings on the mobile unit and the door intercom (**ring tone on the mobile unit and ring duration and volume on the mobile unit and door intercom can be set or switched off**)
 - "Call In" appears briefly on the screen [6] of the mobile unit and the camera image from the door intercom appears. If the conversation is not accepted, the camera image switches off after approx. 30 seconds (or after the set duration).
 - As soon as the  symbol is displayed, a snapshot of the camera image from the door intercom is saved on the mobile unit (provided that the snapshot function on the menu is activated).
 - The light on the ring button [25] on the door intercom flashes. If the conversation is not accepted, the flashing light goes off after approx. 30 seconds (or after the set duration) and there is a quiet "plop" sound on the door intercom.
- Speaking:
By pressing the talk button  [1] you can accept the conversation and activate the talk function as long as the camera picture is visible on the screen:
 - Activation is indicated by the  symbol.
 - As long as the talk function is active, the camera image from the door intercom is displayed and the light on the ring button [25] flashes.
 - Now either the sound from the microphone [21] on the door

intercom can be heard over the loudspeaker [10] on the mobile unit or the sound from the microphone [4] on the mobile unit can be heard over the loudspeaker [18] on the door intercom in alternation (intercom function).

- Press the right button  [7] to take another static image on the camera and save it on the mobile unit; the  symbol appears briefly.
- The talk function can be ended by pressing the on/off button  [8]; otherwise, it ends automatically after approx. 45 seconds, the start screen appears again and the screen goes off after approx. 20 seconds. Ending the talk function is indicated by a quiet "plop" sound on the door intercom.
- Opening the door:
If an electric door release is connected to the door intercom, it can be activated by pressing the door release button  [5] as soon as the camera image from the door intercom can be seen on the monitor. Opening the door stops the ringing process and the talk function, a quiet "plop" sound can be heard on the door intercom, the start screen reappears on the mobile unit and the screen switches off after approx. 20 seconds.

Notes:

- In poor light conditions, the white LEDs [22] are activated by the low light sensor [24]. The immediate area up to max. 0.8 m in front of the door intercom is illuminated by this. Additional lighting must be fitted to achieve a better image in the dark.
- If:
 - the mobile unit does not respond when the bell button is pressed but the ring tone can be heard on the door intercom
 - or no camera image is visible on the mobile unit when operating with the power supply unit,
 then:
 - activate the mobile unit by pressing the on/off button  [8]
 - or reduce the distance between the mobile unit and the door intercom.

If the system is still not working as expected, even when the devices are next to one another, they must be paired again (see section 13.2 "Register").

- The strength of the incoming wireless signal is displayed by the symbol  on the top right of the camera image on the screen [6]. The bars next to the antenna symbol indicate the strength.
- A symbol on the top left of the camera image on the screen indicates whether the door intercom showing the camera image is being supplied with power by the power supply unit () or by batteries ().
- If there is a ring on the intercom and a snapshot is saved but the conversation is not accepted on a mobile unit, (at least) one new snapshot is indicated by the flashing red  symbol at the top left of the screen. As soon as the "Snap Show" menu item is selected, the symbol disappears.
- Transmission of sound is only available while the talk function is activated.

11.2 Switching on the intercom camera image manually

- With the mobile unit switched on, press any button [1/2/3/5/7/8] to make the start screen [6] appear.
- Press the right button  [7 - "Mon" (Monitor)]. With only one paired door intercom, its camera image appears automatically; with two paired intercoms, use the  and  [2] buttons to select the intercom required, confirm by pressing the left button  [3 - "Select"] and the camera image appears.

As long as the camera image is visible, the following options are available:

- To take a static image and save it on the mobile unit, press the right button  [7]; the  symbol appears briefly.
- By pressing the talk button [1], you can activate the talk function: either the sound from the microphone [21] on the door intercom can be heard over the loudspeaker [10] on the mobile unit or the sound from the microphone [4] on the mobile unit can be heard over the loudspeaker [18] on the door intercom in alternation (intercom function).
The talk function can be ended by pressing the on/off button  [8]; otherwise, it ends automatically after approx. 45 seconds, the start screen appears again and the screen goes off after approx. 20 seconds.
- Pressing the door release button [5] activates a connected door release, the start screen appears again and the screen switches off after approx. 20 seconds.
- To switch the camera off again, press the on/off button  [8]; otherwise, this happens automatically after approx. 45 seconds, the start screen appears again and the screen switches off after approx. 20 seconds.

Note:

When operating the door intercom with batteries, it is not possible to switch the camera image on manually as the intercom is supplied in energy-saving mode. "Monitor" appears on the black screen. (In energy-saving mode, the camera image is displayed only when the ring button [26] is pressed).

If you still wish to be able to switch the camera image on manually, you have to switch the door intercom to energy consumption mode (please note: in this case, the batteries in the intercom will go flat significantly more quickly):

- Press the pairing button [28] on the door intercom until you hear a long beep.
- Press the pairing button on the door intercom a second time until you hear a long beep.
- Press the pairing button a third time until you hear three short beeps.

To return to energy-saving mode,

- press the pairing button [28] on the door intercom until you hear three short beeps.

12. Optional addition of a DVT40M mobile unit and/or a DVT40T door intercom

The door intercom has already been paired with channel 1 of the mobile unit in the factory. A maximum of one more mobile unit and/or one more door intercom can be connected to the existing system:

To establish a wireless connection between a DVT40T door intercom and a DVT40M mobile unit, pair them as follows:

- The door intercom and mobile unit must both have a power supply and the mobile unit must be switched on.
- Press any button [1/2/3/5/7/8] on the mobile unit to make the start screen appear.
- Press the left button — [3 - "Menu"] to open the menu.
- Scroll through the menu with the $\wedge$ and $\vee$ [2] buttons until you reach "Register" and press the left button — [3 - "Select"]. Channel no. 1 and no. 2 appear, the hash # indicates which channel is currently selected.
- Move the hash # to the channel you require by pressing $\vee$ [2]:
First mobile unit: Channel no. 2 for second door intercom
Second mobile unit: Channel no. 1 for second door intercom
Channel no. 2 for second door intercom
- Press the left button — [3 - "✓"]. The mobile unit beeps and you now have approx. 20 seconds to complete pairing.
- Press and hold the pairing button [28] on the door intercom until you hear three short beeps on the intercom as confirmation that pairing has been successful; the mobile unit then makes a "plop" sound and the start screen appears again.

Information about operation following extension:

- If there is a ring at one of two door intercoms, you can see at the top left of the camera image where the ring has come from: door intercom "1 #" or "2 #".
- When there is a ring at one of the door intercoms, all of the paired mobile units that are switched on respond as described in section 11.1.
- If there is a ring at a door intercom and the conversation is accepted on one of two paired mobile units, the camera image switches off on the other mobile unit, the start screen appears on it and the screen switches off after approx. 20 seconds.

13. Settings

13.1 Settings adjusted directly by the buttons on the mobile unit

Volume of the ring tone on the mobile unit

- Press any button [1/2/3/5/7/8] on the mobile unit to make the start screen appear.
- Pressing the $<$ and $>$ [2] buttons reduces or increases the volume of the ring tone on the mobile unit.

Screen brightness

- Press any button [1/2/3/5/7/8] on the mobile unit to make the start screen appear.
- Pressing the $\wedge$ and $\vee$ [2] buttons increases or reduces the brightness of the screen.

13.2 Menu settings

Scrolling through the menu

- To open the menu, first press any button [1/2/3/5/7/8] on the mobile unit to make the start screen appear, then press the left button — [3 - "Menu"]. The menu items appear underneath one another.
- By pressing the $\wedge$ and $\vee$ [2] buttons, you can scroll between the menu items and through the sub-menu of a menu item.
- To select a menu or sub-menu item, press the left button — [3 - "Select"].
- By pressing the $<$ and $>$ [2] buttons, you can change the existing setting.
- To return to the menu from a menu item or to close the menu, press the right button — [7 - "Back"].
- Approx. 15 seconds after a button is pressed, the menu closes automatically.

VOLUME of the ring tone / conversation / ring and camera display duration on the mobile unit

Talking Volume	Setting for the loudspeaker volume on the mobile unit (1 to 9 bars) <i>Factory setting: 6 bars</i>
Ringtone Volume	Setting for the ring tone volume on the mobile unit (1 to 9 bars) <i>Factory setting: 6 bars</i>
Ringin Time	Setting for ◦ the duration of the ring tone on the mobile unit between 0 and 30 seconds. A setting of 0 seconds means that the ring tone is switched off. ◦ the camera display duration between 15 and 30 seconds. A setting between 1-14 seconds will automatically set the duration to 15 seconds <i>Factory setting: 30seconds</i>

BRIGHTNESS of the screen

Setting the screen brightness (1 to 9 bars)
Factory setting: 3 bars

KEY TONE

Activation (ON) and deactivation (OFF) of the confirmation tone each time a button is pressed
Factory setting: ON

RING TONE

Selection of the mobile unit ring tone (from 3 tunes)
Factory setting: Ring Tone 1

SNAP SET - snapshot activation

Activation (ON) and deactivation (OFF) of automatic saving of a snapshot when the ring button on the door intercom is pressed. The snapshot is saved on the mobile unit.
Factory setting: ON

SNAP SHOW - view/delete snapshots

- By pressing the < and > [2] buttons, you can scroll through the snapshots.
- To delete the snapshot currently shown on the screen, press the left button — [3 - ] and confirm by pressing the left button — [3 - ] again.
- To delete all the snapshots saved on the mobile unit, press the door release button  [5] and confirm by pressing the left button — [3 - ]..

Notes:

- All snapshots are saved to the integrated ring memory. A maximum of 100 snapshots can be saved. When the ring memory is full, the oldest snapshots are overwritten automatically.
- At the top left of the snapshot you can see the door intercom camera from which it was saved (#1 or #2), what number image you are looking at and the total number of images (e.g. 014/089). The date and time at which the snapshot was saved are shown at the bottom in the centre.

Factory setting: Restoring the factory settings deletes all the snapshots

DATE AND TIME

- By pressing the < and > [2] buttons, you can change the hours, minutes (e.g. 21:04), year, month and day (e. g. 2017 - 08 - 30) in succession.
- Pressing the  and  [2] buttons changes the figure.

Notes:

- The setting must be correct to get the exact date and time stamp on the saved snapshots.
- After a change of battery, the date and time must be reset.

Factory setting: not changed on reset

DOOR SET. - Volume/duration of the ring tone on the door intercom/duration of the door release

Notes:

- When using two mobile units, the settings for the door intercom must be the same.
- When using two door intercoms, the settings apply to both intercoms.

Volume Setting for the ring tone volume on the door intercom (1 to 9 bars)
Factory setting: 5 bars

Ring Time (s) Setting for the duration of the ring tone on the door intercom between 0 and 15 seconds. A setting of 0 seconds means that the ring tone is switched off.
Factory setting: 1 second

Unlock Time (s) Setting for the duration of the door release relay activation between 1 and 9 seconds
Factory setting: 3 seconds

LANGUAGE

Setting for the screen language

Factory setting: German

32 - 

WALLPAPER - background image

Setting for the screen background (choice of 3 images)

Factory setting: Image 1

REGISTER - pairing/deletion of a door intercom

- Move the hash # to the door intercom required.

To pair another door intercom (connected to the power supply)

- press the left button — [3 - ]. The mobile unit beeps.
- You now have approx. 20 seconds to press and hold the pairing button [28] on the door intercom until you hear three short beeps on the intercom as confirmation that pairing has been successful. The mobile unit then makes a "plop" sound and the start screen appears again.

To delete a door intercom

- press the left button — [3 - ],
- then press the left button — [3 - ] again to confirm.

Factory setting: no door intercom paired

Notes:

- When a channel is paired with a door intercom, this is indicated by the symbol  after the door intercom number (no. 1 or no. 2).
- A maximum of two door intercoms can be paired with two mobile units.

VERSION

The top two lines indicate the software version of the mobile unit; below that is the version of door intercom #1 and (if present) #2.

RESET

Notes:

- Resetting deletes all of the snapshots.
- Following a reset, the door intercom is no longer paired with the mobile unit.
- The date and time are not affected by the reset.
- To restore the factory settings, select "YES".
- Then confirm by pressing the left button — [3 - ].

14. Function of an optional signal generator / optional door release button

14.1 Optional signal generator

When the bell button [26] on the door intercom to which the signal generator is attached is pressed, the signal generator is activated for approx. 3 seconds.

14.2 Optional door release button

When the door release button is pressed, the door release that is connected to the same door intercom as the door release button is activated for the time set on the mobile unit.

15. Tamper alarm

If a paired door intercom that is connected to the power supply or which has batteries fitted is removed from the protective cover, a pulsating tamper alarm sounds on the door intercom and the mobile unit for approx. 5 minutes.

- To switch off the tamper alarm, press the on/off button  [8] or the talk button  [1] on the mobile unit.

16. Wireless range

The wireless range is dependent on many factors. In an ideal location and by free line of sight between both antennas) a range of up to 150 m is possible, within buildings this is reduced to maybe 20 m.

The range cannot be guaranteed as it is dependent on the local conditions.

In order to avoid malfunctions, only one wireless system should be fitted for each monitoring location/building/home.

A reduction of the range will be caused by:

- Walls and Floors, in particular those of metal or with metal reinforcement
- Sheet metal surfaces e.g. refrigerator, metal shelves
- Coated windows (eg. those with Insulating glass), radiators, and metal surfaces
- Strong electric fields and other radio equipment, eg. microwave ovens, radio telephones, mobile phones, radio equipment in the 2.4 GHz range, electric motors and power cables
- Devices using the same or similar frequency (eg. WLAN-systems)

17. Changing the batteries

17.1 Outdoor station

If no sound can be heard after pressing the door bell button [26] or if there is only one bar in the battery status indicator [6], then the batteries must be changed.

In this case:

- First release the torx screw with the torx screwdriver [42] provided and remove it.
- Lever the outdoor station [20] out of the mounting bracket [33]. If a tamper alarm sounds despite the battery charge being low, switch it off on the mobile unit by pressing the  [8] or  [1] button.
- Unscrew the battery compartment cover screw [31] and remove the cover.
- Remove the expired batteries and place 2 new LR14 (C), 1,5 V alkaline batteries in the battery compartment [55] observing the correct polarity
- Re-attach the battery compartment cover to the door intercom with the screw.
- Push the door intercom into the protective cover and screw it into position again with the security screw.

17.2 Mobile unit

If the charging capacity of the battery inserted is no longer adequate, replace the weak battery by:

- sliding the battery compartment cover [11] on the mobile unit

down,

- removing the battery,
- inserting a new battery (3.7 V, 1100 mAh) with the terminals in the correct position and
- sliding the cover back into place.
- Before using the new battery for the first time, allow it to charge up fully for 5 hours.

18. Maintenance and cleaning

- The products are maintenance-free: Never open this, except when changing batteries.
- Check the safety and function regularly
- Remove the mains adapters from the mains sockets or disconnect from the power supply before cleaning
- Use a soft, slightly moist cloth or brush to clean the surfaces

Do not use cleaning agents containing solvents, Petrol, alcohol or similar. These can damage the surfaces. Also the fumes cause a danger to health and of explosion. Do not use any sharp tools (eg screwdrivers) or metal brushes for cleaning.

19. Optional Accessories

- Additional DVT40M mobile unit including charging station, power supply unit and battery, art. no. 27081
- Additional DVT40T door intercom including protective cover, art. no. 27082
- ABS angle bracket for 45° corner fitting of the door intercom (fitting on the left or right), art. no. 27083

20. Disposal



Do not dispose of packaging material, used batteries or products as household waste. Please use your recycling system. Details are available from your local authority.

21. Simplified EU declaration of conformity



Hereby, INDEXA GmbH declares that the radio equipment type DVT40 Set is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.indexa.de/w2/f_CE.htm.

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v1.0

23. Trouble shooting

Problem	Cause	Remedy
Empty screen	Outdoor station has no power	Check the mains adapter, cable connections and batteries
	The devices are not paired with each other	See chapter 13.2
	Outdoor station is too far apart	Reduce the distance between the devices
	Wireless connection is blocked	Remove large objects or change the location of the stations
	Interference with wireless signal	Remove sources of interference from the devices, note the information about "wireless range" in section 7 here
Unstable image	Strong light source in camera view	Relocate the outdoor station
Image too brightness	Overexposure due to strong light source	Relocate the outdoor station
A whistling sound can be heard	It is produced by acoustic feedback	Place the stations further apart
		Reduce the volume on the indoor station
No sound	The volume on the mobile unit / door intercom is too low or is switched off	Adjust the volume / ring duration for the mobile unit / door intercom as necessary on the menu of the mobile unit
Dark monitor image during twilight / darkness	The outdoor station requires additional lighting to be able to display a good image	Install additional lighting
The monitor image displays a bright background, however the visitor is displayed dark	There is too much backlighting in the background	Install additional lighting or change the location of the outdoor station
Tamper alarm has been triggered	Door intercom with power supply has been removed from the protective cover	To switch off the tamper alarm, press the on/off button  [8] or the talk button  [1] on the mobile unit.
The batteries in the door intercom go flat very quickly	Door intercom (operated with batteries) is in energy consumption mode	Switch the door intercom to energy-saving mode (see note under section 11.2)
The camera image cannot be switched on manually	Door intercom (operated with batteries) is in energy-saving mode	Switch the door intercom to energy consumption mode (see note under section 11.2, Note: the batteries will go flat very quickly)

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