



TVHS10100



User manual

Original user manual in German. Keep for future use.

*This user manual contains important information for installation and operation.
This should be also noted when this product is passed on to a third party.
Therefore look after these operating instructions for future reference!*

Version 06/2019



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Declaration of conformity

ABUS Security Center hereby declares that the enclosed product complies with the requirements of the following directives concerning the product:

EMC Directive (2014/30/EU)
Low Voltage Directive (2014/35/EU)
RoHS Directive (2011/65/EU)

The full EU declaration of conformity can be obtained from the following address:
ABUS Security Center GmbH & Co. KG

Linker Kreuthweg 5
86444 Affing
GERMANY

www.abus.com/product/Itemnumber
(‘Item number’ in the link to be replaced with
the article number of the enclosed product)

Features

- 2-wire ABUS video door intercom
- Complete package with door station, 7" touchscreen monitor, and distributor
- Reliable and fail-safe monitoring of the entrance area
- Integrated 2 MPx wide-angle camera with IR-LEDs (day-night function)
- Robust stainless steel case with illuminated name plate and call button
- Live view of compatible ABUS IP cameras
- Use up to 6 interior monitors per door station
- Other features such as message recording, automatic response, etc.
- Optional security module for additional manipulation protection

Scope of delivery

2-wire monitor for door station

- 2-wire monitor for door station
- Mounting material
- Mounting plate
- 2 x Connection cable
- Clamp
- Safety information

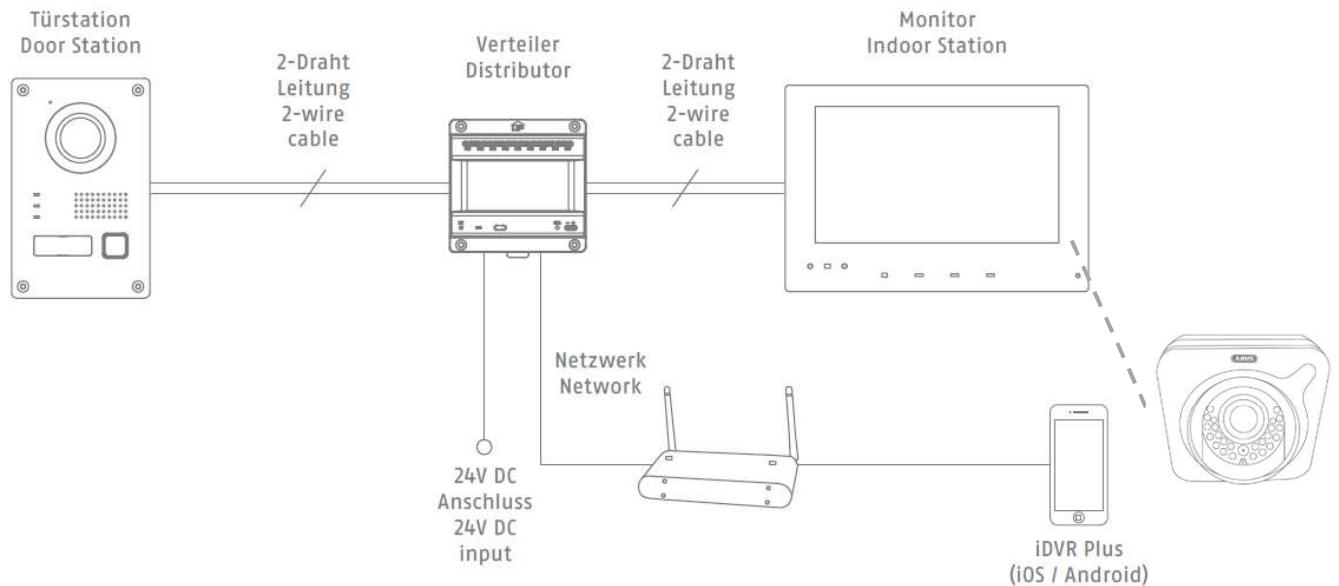
2-wire door station

- 2-wire door station
- Flush installation box for door station
- Installation Tool
- Mounting material
- Power supply
- Safety information

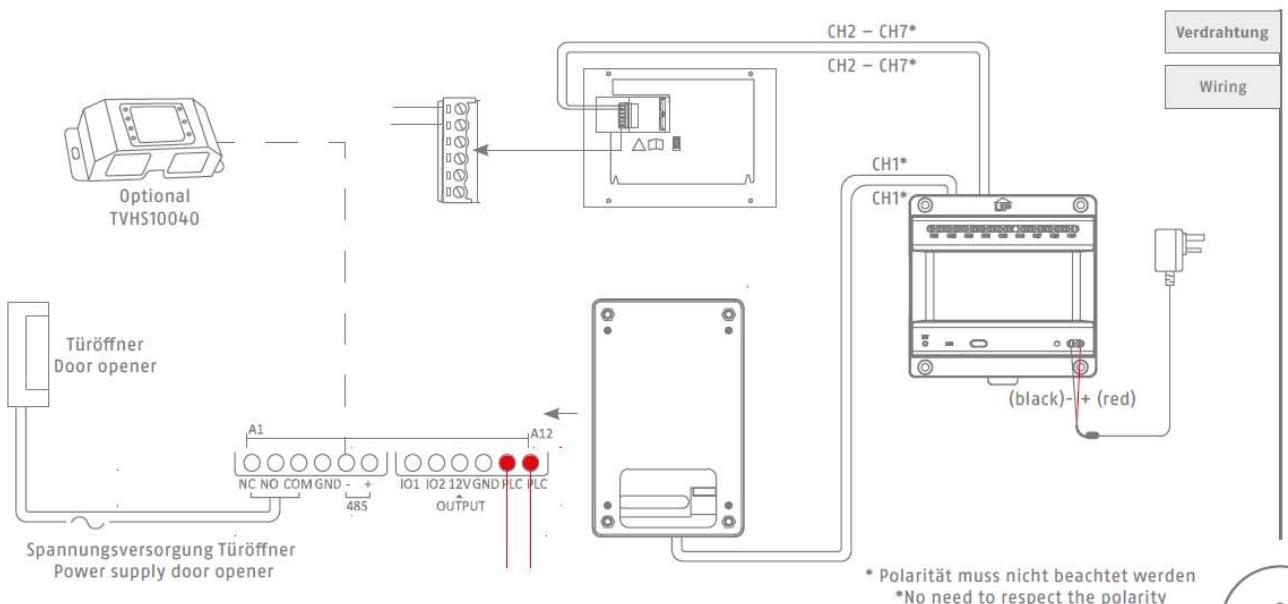
2-wire video/audio distributor

- 2-wire video/audio distributor
- Mounting material
- Adapter cable

Installation (System overview)



Wire the door unit to channel 1 (CH1) on the Video / Audio Distributor. You can connect up to 5 more monitors (in addition to the main monitor) to the Video / Audio Distributor. Wire each monitor to channels 2 to 7 (CH2 – CH7). The Video / Audio Distributor TVHS10010 can be supplied with power with the attached power supply (24V DC).



Door station

Connect the 2-wire cable at the door station to the contacts "PLC". The system can only contain **one** door station.

Note: The polarity at the different channels CH1-CH9 does not have to be considered. Door station and monitors have no polarity marking. No special sequence must be observed on the channels, each channel can operate any type of device (door station, main and additional monitor).

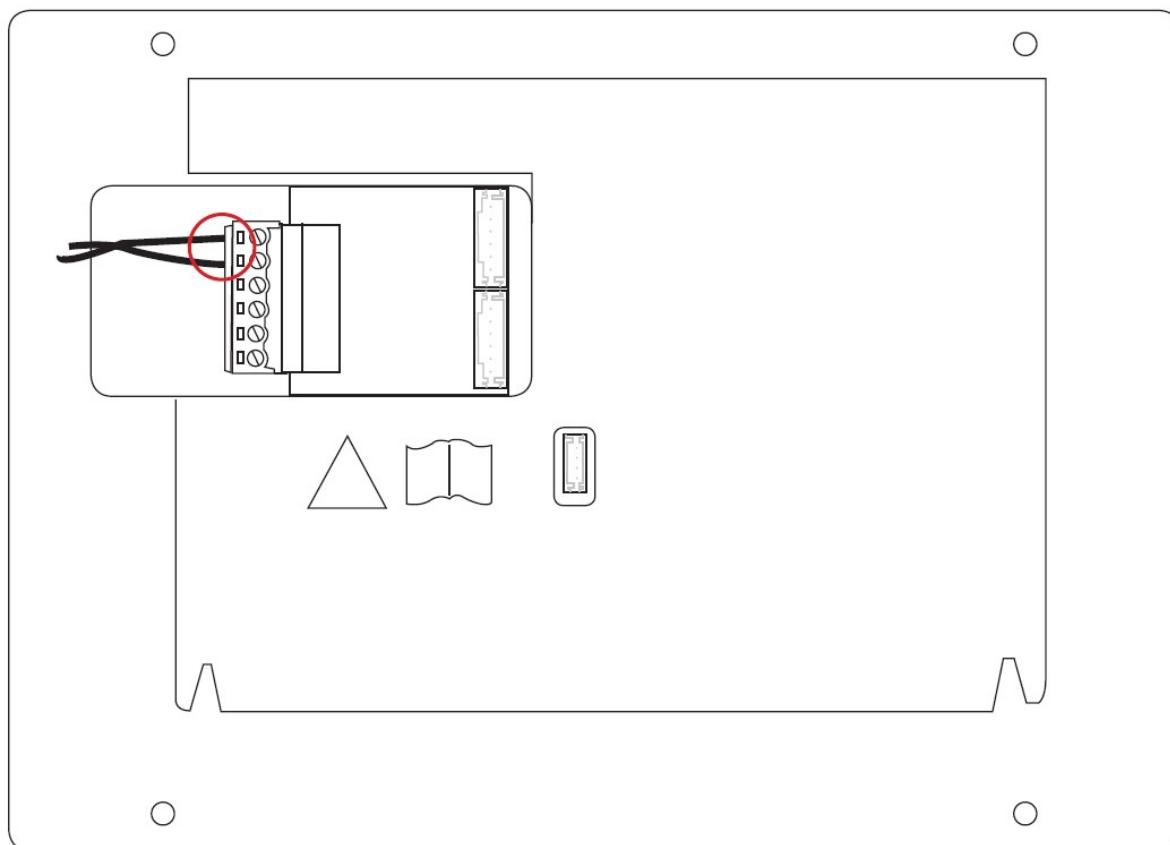
An electric door opener is connected to the door station at "Door". In the door station there is a potential-free relay. This has the contacts "NC" (Normally closed, => Normally closed contact) and "NO" (Normally open => Normally open contact)

The connections "IO1" and "IO2" are not needed.

Monitor

Connect the 2-wire cable to the monitor as shown in the following sketch. There is no polarity to be considered.

Only the 2 upper contacts of the green terminal block (6-PIN) are used on the monitor. The other contacts and connections are currently not used.



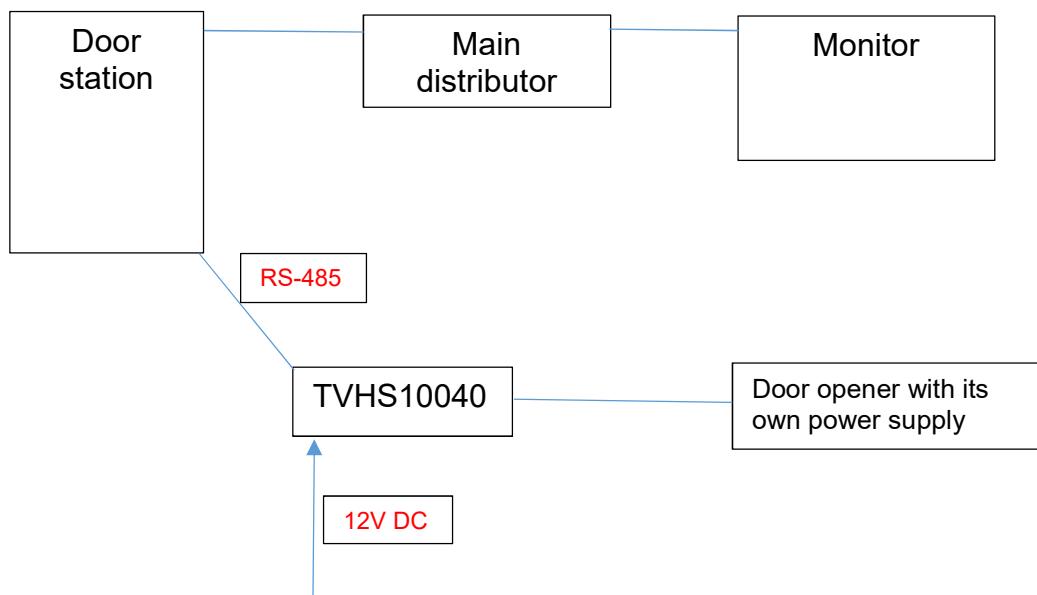
Secure-Module TVHS10040

This safety module is connected via RS-485 to the door station on the contacts "RS-485". The safety module must be installed in a safe, non-accessible location. Only then it is ensured that unauthorized persons cannot gain access to the door contact cables. The safety module prevents the door contact cabling from being directly accessible from outside in the case of sabotage.

The safety module requires a separate power supply of 12V DC.

The door contact relay of the safety module is potential-free and has to be used with max. 2A 30VDC / 0.5A 125AC switch.

System structure with security module



The safety module uses only the connection "Power IN" (12VDC) / "RS485" (connection to door station "RS485" and "lock out"), the other connections are currently not used.

For further details please download the separate manual for TVHS10040
(www.abus.com)

Attention

Make sure all related devices are turned off during installation.

Cable type

Select the cable type according to the distance between the door station and the video / audio distributor.

Cable typ	Resistance per 100 m	Max. Transmission distance	Max. Distance (Door station does not supply power for the electric door opener)	Max. Distance (The door station supplies power for the electric door opener)
24AWG	10 Ω	50 m	50 m	30 m
20AWG	7 Ω	100 m	100 m	80 m
18AWG	4 Ω	150 m	150 m	100 m

System Configuration

Before you start:

- Make sure that the video / audio distributor is connected to a router via a network cable (the DHCP feature is enabled by default).
- Make sure the monitor and the door station are connected to the video / audio distributor via 2-wire cable.
- Make sure all devices are turned on during activation.

Note:

The video / audio distributor TVHS10100 does not necessarily has to be connected to the LAN. Without the Internet, the time must be set manually because no connection to the NTP server can be established. If no external cameras are integrated or accessed via app, you can omit the connection to the home network.

1) Activate device

You must first enable the device by setting a strong password before you can use the device.

2) Select language

Select one of the available languages from the drop-down list.

3) Select device mode

You must define a monitor as the main monitor (in a multi-monitor installation, only one monitor can be defined as the main monitor).

4) Select door station (only with main monitor)

Here you select the door station from the drop-down list
(the search may take a few seconds).

5) Select main monitor (only with additional monitors)

Here you select the main monitor from the drop-down list. All additional monitors are connected to the main monitor.

6) Finished

Menu description

Main menu

The main menu shows the current time and date, as well as the connection status of the door station (top right in the screen).

Touch the time or date for 2 seconds to adjust it.

Furthermore, the following functions are available:

Note: Some configuration options are only available on the main monitor.

Dial

Call

Here you can call another monitor (assuming there is more than 1 monitor installed in the system).

Select the internal number (1 to 5) of the additional monitor and press the call key. The main monitor always has the phone number "0".

Log

Calls from the door station or from other monitors are listed here.

Contacts

This feature is currently not available.

Information

Message

Here you can see an overview of all messages left by a caller and can play them (requires an inserted and configured microSD card - max 32 GB).

Picture

Pressing the bell button automatically saves an image (requires an inserted and configured microSD card - max 32 GB).

Here you can see an overview of all pictures and have a look at them. If you touch a picture for more than 2 seconds, a menu appears to delete this picture or to clear the entire list.

If multiple monitors are used, a microSD card can be inserted into each device as needed. The images are then available on every monitor.

Attention: The recorded audio file of the answering machine can only be monitored on the main monitor.

Alarm log

Here you can see if the sabotage alarm of the door station (located on the rear side) has been triggered.

Live view

Switches to the live view of the door station. From here you can also open the live view of installed network cameras.

Draw area

Here you can define an area to be digitally zoomed.

Note: The system must be restarted to successfully apply the zoom setting.

Clear area

Here you can delete the previously defined area again.

Set area

Here you confirm the previously defined area. After that, you must disconnect the system from the power and restart it to apply the changes.

Reset

Here you can reset the settings of the digital zoom.

Enable

Here you can start the speech communication via the door station.

Door opener (lock icon)

Here you can activate the door opener (if connected).

Hibernate

Puts the monitor into standby mode.

Settings

Switches to the Settings menu.

Settings

The Settings menu allows you to make all the essential settings for the monitor or your system.

Password

Here you can change the password for the local monitor. This password is default *888999* and will be used for the configuration menu.

Sound

Ringtone

Here you can choose between three different ringtones.

Ringtone duration

Here you can define the ringing time (30 to 60 seconds).

Microphone volume

Here you can define the microphone volume from the monitor - "0" very quiet to "10" very loud.

Speaker volume

Here you can define the speaker volume from the monitor - "0" very quiet to "10" very loud.

Touch sound

Here you can switch the key tone on or off when using the monitor.

Enable auto answer

If this function is activated, the absence message at the door station will be played immediately when the bell button is pressed (the message itself cannot be changed).

DND (Do not disturb) settings

If this function is activated, the call from the door station or another monitor will not be forwarded to any monitor.

All day

Function is activated permanently.

Schedule

Function is activated within the time defined below.

Maintenance

microSD Card

Here you can format a microSD card inserted in the monitor (up to 32 GB).

Clean screen

Here you can lock the screen so that no function is accidentally triggered when the screen is cleaned.

General information

Modell: Displays the item number of the monitor
Version: Displays the installed firmware version
SN: Displays the serial number of the monitor
Code: This function is currently not used

System language

Here you can choose the display language - German, English, French, Italian, Danish, Dutch.

Config

Here you can open the advanced settings.

The pre-defined password for this is: "888999" (the password can be changed under "Password").

Local info

Monitor type

Here you can define whether the monitor is the main monitor or an additional monitor (only one main monitor can be defined per system).

Monitor nr.

This feature is currently not available.

Live view duration

Here you can set the display duration of the live image view - 10 to 60 seconds.

Network

Here you can activate the automatic assignment of network parameters via DHCP or manually enter the network parameters.

Camera

You can add network cameras* that are within the network. These can then be selected in live view. Click "+" to add a camera, entering the IP address, the RTSP port (usually 554) and the admin username and password.

* Network cameras must be compatible

NTP

Here you can set an NTP server. The NTP server then automatically synchronizes the time and date with the system.

Search

Here, devices added to the respective monitor are displayed.

Click on "..." for further settings.

Example: For the main monitor, the door station is displayed; for the additional monitor, the main monitor is displayed.

Reset

Restore

Resets all settings except password and network settings.

Default

Resets all settings, including password and network settings.

* Compatible ABUS IP cameras

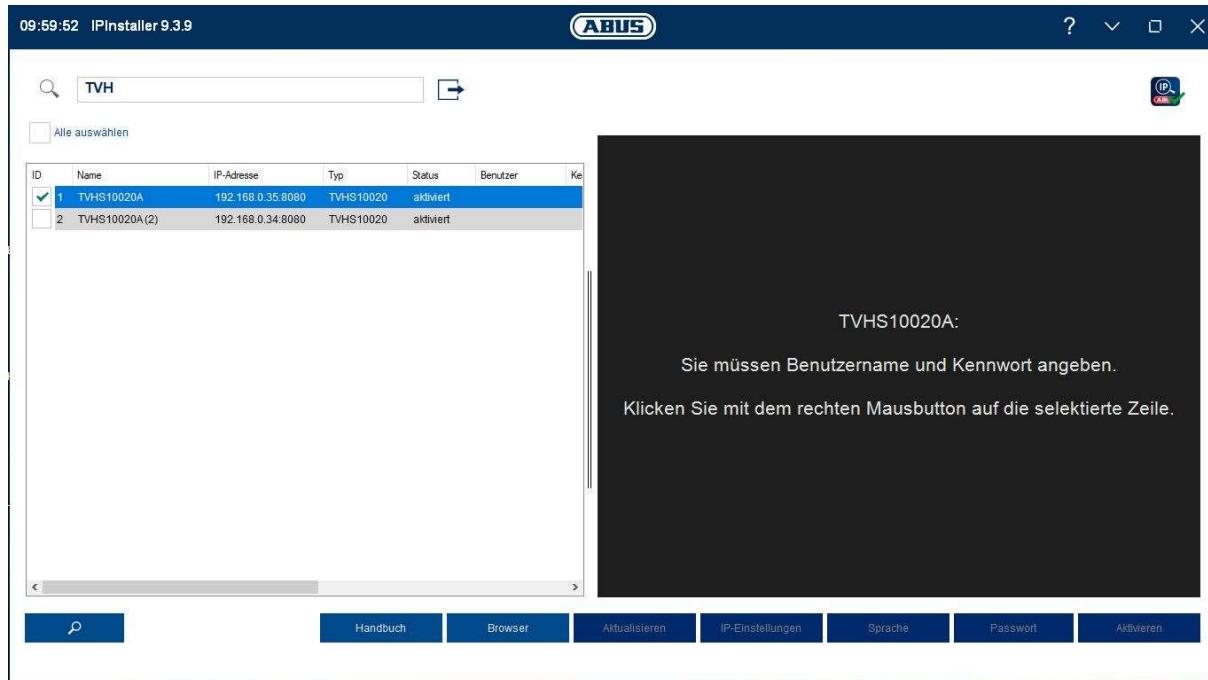
IPCA33500, IPCA53000, IPCA62520, IPCA63500, IPCA66500, IPCA72520, IPCA73500, IPCA76500, IPCB42500, IPCB42501, IPCB42510A, IPCB42510B, IPCB42510C, IPCB42515A, IPCB42550, IPCB42551, IPCB44510A, IPCB44510B, IPCB44510C, IPCB62500, IPCB62510A, IPCB62510B, IPCB62510C, IPCB62515A, IPCB62520, IPCB64510A, IPCB64510B, IPCB64510C, IPCB64515B, IPCB64520, IPCB64620, IPCB68510A, IPCB68510B, IPCB68510C, IPCB68515A, IPCB68520, IPCB68620, IPCB72501, IPCB72515A, IPCB72520, IPCB74515B, IPCB74615B, IPCB74520, IPCB78515A, IPCB78615A, IPCB78520

ABUS IP Installer and integration of door station-camera into ABUS NVR

With the ABUS IP Installer you can set the network settings of the door station and monitors via network. Please enter the user name (admin) and your password for the advanced functions of the IP installer.

Note: Normally, access to the door station and associated components via the IP installer is not necessary. The complete installation takes place on the local monitor of the door station.

The devices do not have a standalone web interface.



Integration of door station into ABUS NVR and ABUS iDVR Plus App

You can integrate the camera of the door station in your existing ABUS NVR for recording. The live image of the door station can also be viewed in the ABUS iDVR Plus app.

The following parameters are required for integration:

- IP address of the door station TVHS10000A
- User name of the door station (admin)
- Password (this was defined when setting up the main monitor)
- Port 8000

Imprint

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