



Firmware Release Note – ABUS MODUVIS TVHS2xxxx

Version Door station: V2.2.3_201029
Version Monitor: V2.1.2_210927
Release Date: 12.04.2022

Firmware compatible with following products:

- TVHS20000(S), TVHS20010(S), TVHS20200, TVHS2010, TVHS20220

Note: The firmware for door station with new change “voice announcement language can be adjusted” has the same version number 2.2.3_201029.

For intercom display no new firmware is available. (V2.1.2_201029 or V2.1.2_210927 has same functions , only different production dates. If V2.1.2_201029 is installed on your intercom monitor you don't need to upgrade to V2.1.2 210927)

The devices are upgradable via „ABUS IP Installer” or „ABUS CMS Software“. To perform the upgrade via ABUS CMS software please add the devices to the CMS Software. Each device (monitor, extension monitor, door station) is a separated IP-device with an own IP address.

Please use the ABUS CMS Software Version 3.x for remote configuring the MODUVIS system. You can download it on our homepage and you will find it under article number TVSW11001.

Adding the devices to ABUS CMS: (Same procedure as ABUS NVR/DVR)

- Port 8000
- User: „admin“
- Password: Please use the activation password which you used for activating the monitors. The door station has the same password as the main monitor of the intercom system. Main monitor automatically activates the door unit after adding.

In case of devices were activated manually, please use the correct password for each device for adding.

Please start the ABUS CMS Software and click on “Online devices”.

Device Stream Media Server										
+ Add Q Online Device ✕ Delete QR Code Refresh										
<input type="checkbox"/>	Name	Connection T...	Network Param...	Device Type	Serial No.	Security Level	Resource Us...	Operation		
<input type="checkbox"/>	192.168.0.14	IP/Domain	192.168.0.14:8000	Indoor Station	TVHS202000120200318WRP1...	Weak	Offline			
<input type="checkbox"/>	192.168.0.47	IP/Domain	192.168.0.47:8000	Door Station	TVHS200000120200110RRP11...	Weak	Online			
<input checked="" type="checkbox"/>	test	IP/Domain	192.168.0.29:8000	Door Station	TVHS200000120200110RRP11...	Weak	Online			

Down below now a list with all online devices in network appears. Choose the devices you want to upgrade and click on “Add”.

Refresh Every 60s. Total (17)

<input type="checkbox"/>	IP Address	Device Model	Firmware Version	Security ...	Port	Enhance...	Serial No.	Boot Time	Added	Support ...	Guarding...	Operation
<input type="checkbox"/>	192.168.0.29	TVHS20000	V2.0.8build 200323	Active	8000	N/A	TVHS200000120200110RRP11705674CVLU	2021-02-25 11:2...	Yes	N/A	N/A	
<input type="checkbox"/>	192.168.0.40	TVHS20200	V2.1.2build 201029	Active	8000	N/A	TVHS202000120200318WRP11711681CLU	2021-02-25 09:5...	No	N/A	N/A	
<input type="checkbox"/>	192.168.0.47	TVHS20000	V2.2.3build 201029	Active	8000	N/A	TVHS200000120200110RRP11705670	2021-02-09 10:4...	Yes	N/A	N/A	

Activate Add Close

If devices are successfully added, there is a green status icon “Online” visible. With the gearwheel “settings” icon, you open the remote configuration of the certain device.

Device Stream Media Server										
+ Add Q Online Device ✕ Delete QR Code Refresh										
<input type="checkbox"/>	Name	Connection T...	Network Param...	Device Type	Serial No.	Security Level	Resource Us...	Operation		
<input type="checkbox"/>	192.168.0.14	IP/Domain	192.168.0.14:8000	Indoor Station	TVHS202000120200318WRP1...	Weak	Offline			
<input type="checkbox"/>	192.168.0.47	IP/Domain	192.168.0.47:8000	Door Station	TVHS200000120200110RRP11...	Weak	Online			
<input checked="" type="checkbox"/>	test	IP/Domain	192.168.0.29:8000	Door Station	TVHS200000120200110RRP11...	Weak	Online			

Please go to „Remote Configuration „in the ABUS CMS Software and go to the “Maintenance” menu of the device you want to upgrade. It is recommended to reset the device to factory default after upgrade. Never disconnect power supply while upgrading devices!

There is no possibility of local firmware upgrade via microSD card!

Release notes:

- **04/2022 new:** Voice announcement (e.g.: “*The door is open*”) of video door module (TVHS20000(S), TVHS20010(S)) can be changed via ABUS CMS software (remote configuration). Please setup language in the “System Maintenance” menu.

The screenshot displays the 'Remote Configuration' window of the ABUS CMS software. On the left, a sidebar menu lists various system settings, with 'System Maintenance' highlighted and underlined in red. The main content area is titled 'System Maintenance' and is divided into several sections:

- System Management:** Contains buttons for 'Reboot', 'Restore Default Settings', 'Restore All', 'Import Configuration File', and 'Export Configuration File'.
- Remote Upgrade:** Includes a 'Select Type' dropdown menu (set to 'Controller Upgra...'), a 'Select File' input field with a file selection icon, an 'Upgrade' button, and a 'Progress' bar.
- System Type:** Features a dropdown menu (set to 'NetworkVideoIntercomSystem') and a 'Sve' button.
- Language:** This section is circled in red and includes a dropdown menu (set to 'German') and a 'Save' button.

- **04/2022 new:** External bell switches/buttons can be connected via the digital inputs of the door module.

Digital input AIN 1 triggers Apartment 1, AIN 2 = Apartment 2, AIN 3 = Apartment 3 and AIN 4 rings at Apartment 4. This means that up to 4 parties can be provided with their own bell button. The bell module TVHS20020(S) is not necessary.

To configure the digital inputs, the respective switching input AI must be set to "Custom" via the ABUS CMS software (remote configuration) in the "Intercom/IO Input" menu.

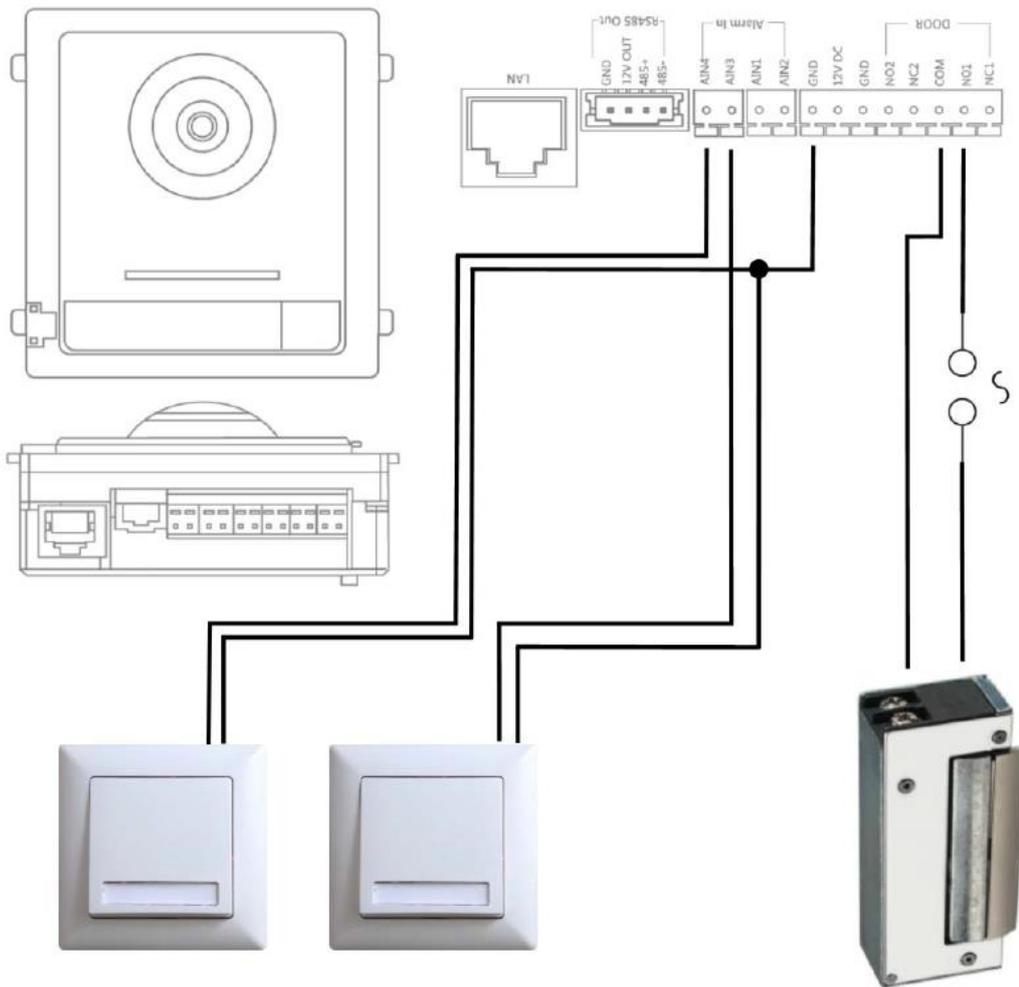
In order to trigger the bell signal, the switching input contact on the door station AIN 1 - AIN 4 must be bridged to "GND".

Remote Configuration

The screenshot shows the 'Remote Configuration' interface. On the left is a navigation menu with categories: System, General, Time, System Maintenance, User, RS485, Intercom, ID Configuration, Time Parameters, Permission Password, Access and Elevator Control, IO Input/Output, Volume Input/Output, and Dial. The 'IO Input/Output' option is selected. The main content area is titled 'IO Input/Output' and is divided into two sections: 'IO Input' and 'IO Output'. In the 'IO Input' section, 'IO Input No:' is set to 'AI1' and 'Input:' is set to 'Custom'. In the 'IO Output' section, 'IO Output No:' is set to 'DOOR1' and 'Output:' is set to 'Electric Lock'. A 'Save' button is located at the bottom of the 'IO Output' section.

Section	Parameter	Value
IO Input	IO Input No:	AI1
	Input:	Custom
IO Output	IO Output No:	DOOR1
	Output:	Electric Lock

Example with two apartments:



Max. 2A @ 30 VDC

Max. 0.5A @ 125 VAC

Further firmware changes:

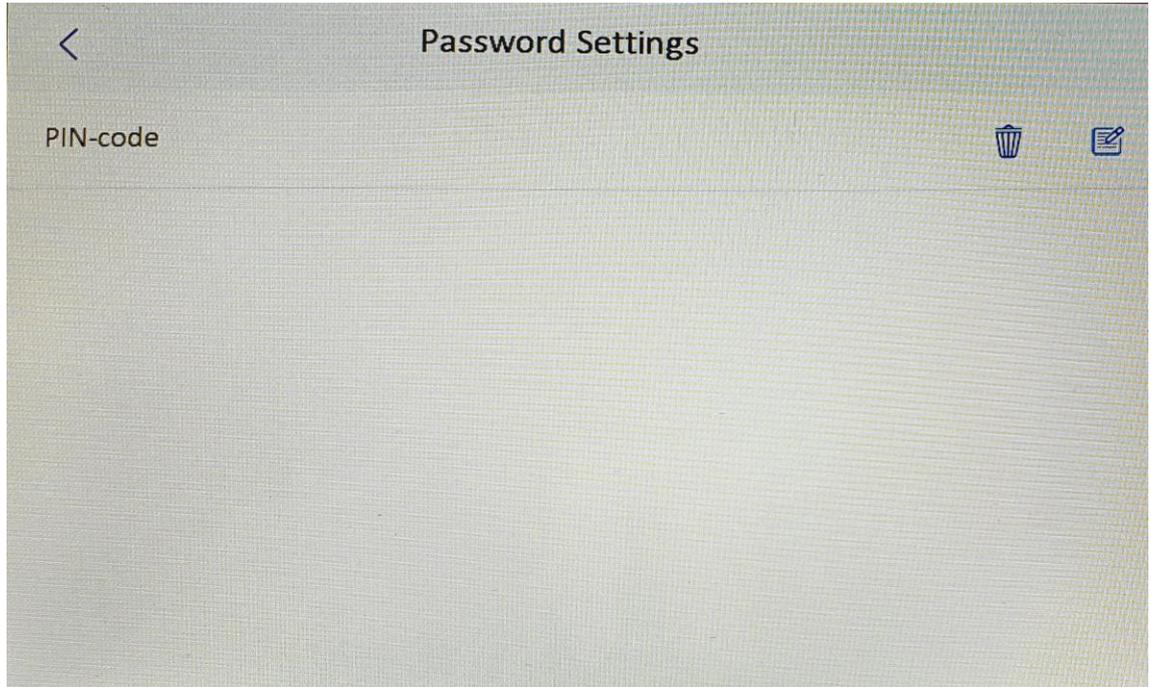
- Pin code module TVHS20030 works in combination with security module TVHS10040
- The TVHS10040 security module is recognized automatically, no setup via ABUS CMS necessary
- New PIN code entry rule for PIN code assignment directly on the monitor.

The process must be started with # on the TVHS20030 keypad. This is followed by the apartment number of the monitor. Immediately afterwards the 6-digit PIN and a confirmation again with #.

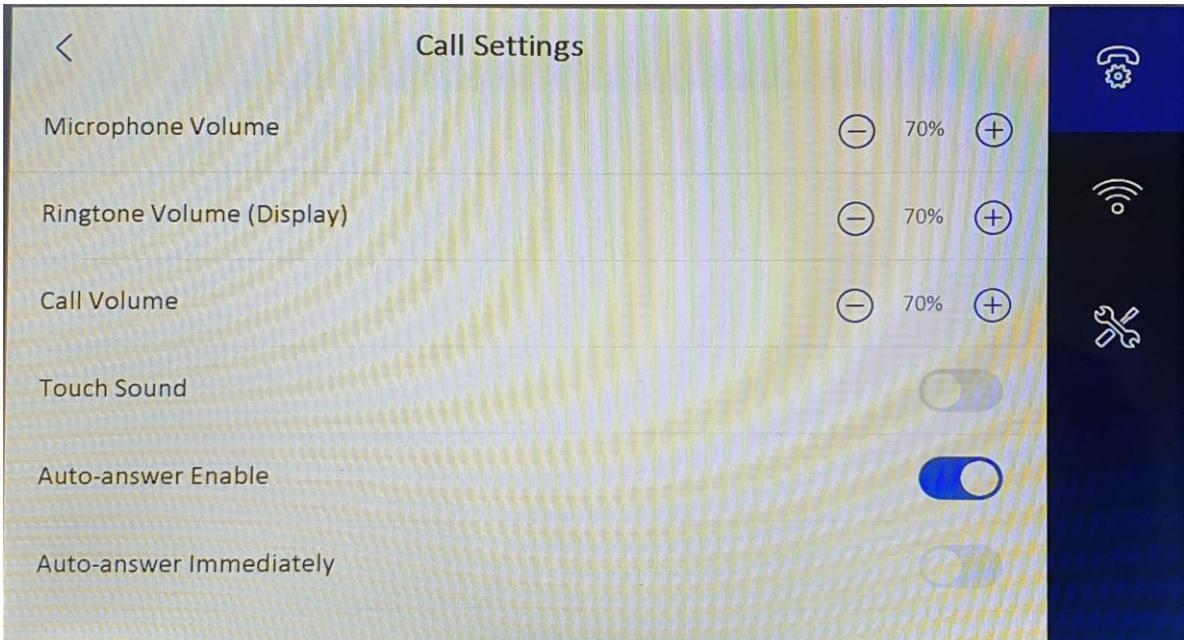
[Apartment number] [PIN] # Example: Apartment 1, Pin 234234: # 1234234

Note: PIN codes that are set via ABUS CMS (remote configuration) still have 6 digits, as these are general and non-residential codes.

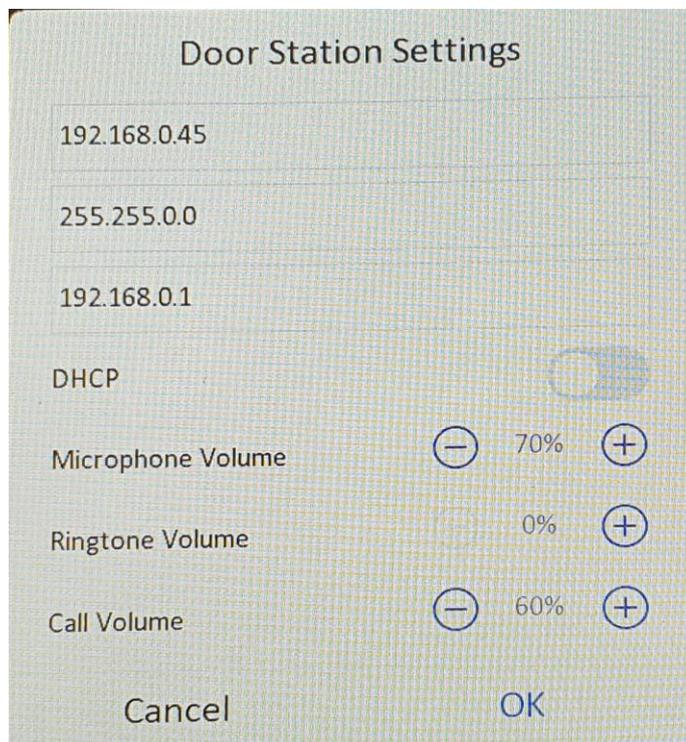
- PIN code “can be deleted / edited on the monitor and CMS.



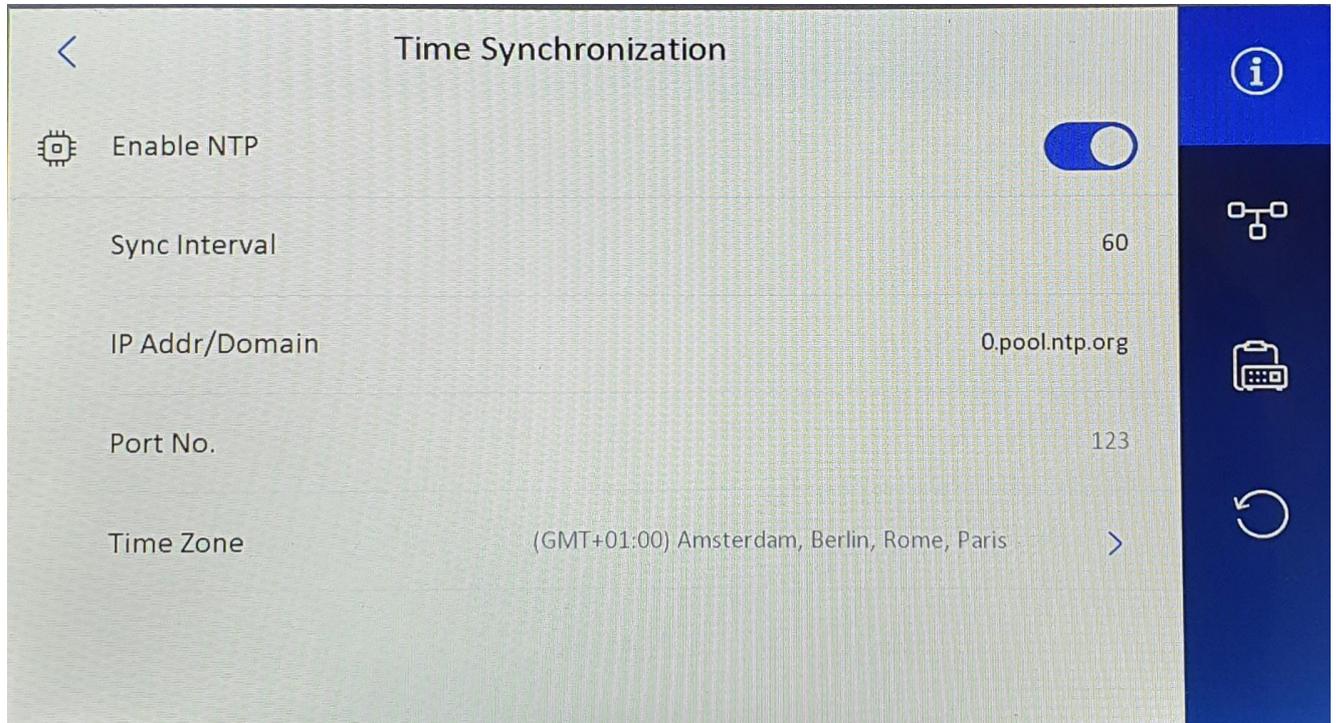
- Answering machine can be completely deactivated



- Integration of volume settings of the door station directly via the monitor (volume loudspeaker, microphone, signal tones and voice announcements volume can be changed directly for the door station from the monitor).



- Corrected NTP time server address (the initial firmware incorrectly contains ntp.org. Correct: 0.pool.ntp.org. If the system time is incorrect, problems arise with the PUSH notification in combination with the ABUS Link Station app!



- "WDR" for video image in the camera module is factory set to "On"
- Dutch language added