

Product DVR 430/451 Series	Document type Release notes	Release # V2.1.3	SAP/Doc number	Release date 2014.10.15
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Video Recorder 430/451 Series new firmware versions

1 DVR 430/451 Series firmware version 2.1.3 (2014-09-19)

File name: 400series.bin (date 2014-09-19)

The release includes the following bug fixes:

- In combination with BVC 1.6.2 or higher the below two DST issues are solved:
 - o With DST-ON a one hour time display shift was noticed between DVR400/600 and BVC.
 - o Missing timeline information using DVR600 when zoom-in on the timeline.

Bosch strongly recommends upgrading to the latest firmware to achieve the best possible functionality, compatibility and performance.

2 Update procedure

To update the DVR 400 Series to the latest firmware, please refer to the Video recorder 400 Series Operation Manual, chapter 6.6.5 or follow instructions below:

1. Put firmware v2.1.3 via a PC on the root of a USB memory stick (file name: 400series.bin [date 2014-09-19])
2. Insert the USB stick into the front USB connector of the DVR
3. Log on as "ADMINISTRATOR" in the local unit
4. Select **Menu** and go to the "System > Configuration" screen
5. Select **Update firmware** to upgrade the DVR software. In this case, the current DVR settings and video will not be deleted or replaced during the update process.



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Figure: Update firmware menu

6. Select **OK** to begin the update process or click **Cancel** to stop and exit. After the update process is completed you have to press **OK** so that the system will automatically restart.

Alternative a firmware upgrade can be performed via the Web Client:

- Open Internet Explorer and type on the address bar the network IP address of the unit
- Log on by entering the User ID (default ADMINISTRATOR) and Password (default 000000)
- Select the configuration mode by clicking on the “Configuration” button
- Select ‘System’ and then ‘Configuration’
- Browse to the v2.1.3 firmware file name “400series.bin” (date 2014-09-19)
- Press the “Update” button

Firmware will be automatically updated and unit will be restarted.

3 DVR 400 Series firmware version history

3.1 Version 2.1.1

File name: 400series.bin (date 2013-09-05)

This release includes the following improvement:

- Firmware supports use of DVR430/451 in BVC 1.4 Sr4
- PTZ pre-position issue using input alarm has been solved.
 - The issue was that first alarm input was handled correctly. However every following new event on the same input didn't result in a new pre-pos command.
- Export using web interface hangs every now and then at 0%.
 - Issue was seen when the export file was renamed and much longer name was used as the default name. This issue is solved
- Compatible with the new iPhone DVR Viewer APP v1.0.3 or higher.
 - Old iPhone DVR Viewer v1.0.1 APP must be upgraded because this version is NOT compatible with this new v2.1.1 firmware.
- Security improvement.

3.2 Version 2.0.0

File name: 400series.bin (date 2012-25-05)

This release includes the following improvement:

- Web browser support for DVR 430/451 Series on IE9
- Option to avoid ICMP ping with Control Center (requires CC release v3.35)
 - **Important note:**
 - In the new firmware you can set the ICMP to On or Off in the local UI menu ‘Network-TCP/IP’

Security Systemsystems

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- ICMP must set to **On** to get the DVR connected to a CC version 3.34 or older because in this version of Control Center the ICMP is required
- In the new Control Center version 3.35 the ICMP is not required anymore, therefore in this CC version you can set ICMP to **Off** in the local UI menu 'Network-TCP/IP'
- Low bandwidth support by selecting 256/512kbps bandwidth throttle (iFrame only mode when selecting bandwidth of 256 or 512kbps in local UI)
- PAL or NTSC video format detection is improved (user will be clearly notified when video format of DVR don't match with video format of connected cameras).
- Improve PTZ handling in full screen (you can select Menu, Search, Export or Exit when PTZ control is active)
- Avoid invalid log-on when user ID is used special characters like /:@ (In this firmware these characters are grayed out and cannot be selected)
- Give warning/possible to cancel before delete video after video format (NTSC/PAL) change

This release includes the following bug fixes were below issues are solved:

- It is possible to use AUX on/off function in Control Center version 3.35
- Correct AM/PM setting using export via web when DVR is set in 24h mode
- Dome never stop moving if using PTZ control and drag mouse point

Note 1

Issue: Web access log-on as "Normal user" that has rights for playback. Still the playback icon is grayed out and cannot be pressed.

Solution: You can select additional rights for Play, Search, Export and Alarm acknowledge for a "Normal user". However to give additional 'Play' rights you also have to give additional 'Search' rights. You cannot have 'Play' rights without also having 'Search' rights activated.

Note 2

Issue: Uploading DVR 430/451 firmware via webpage using IE, can cause unexpected error message "DVR update file contains errors" as result of IE security settings.

Solution: Enable "Include local directory path when uploading files to a server".

In IE9 this setting can be found in "tools", "Internet options", "Security", "Custom level", "Miscellaneous", "Include local directory path when uploading files to a server". Enable this setting to make uploading DVR430/451 firmware possible.

Note 3

The CC only shows maximum one event per second. So if more events are generated within one second only the last event is shown. On the local unit always all events are shown.

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3.3 Version 1.6.0

File name: 400series.bin (2011-11-15)

This release includes the following improvement:

- Setting added to Auto delete video older than 3 days. For some countries this is required by law.
- SMTP port number was default on 587 when SSL is enabled.
 - This port number is now user selectable.

This release includes the following bug fixes were below issues are solved:

- In low or unstable network configurations the DVR sometimes block any network user access until the unit was power cycled.
- It was not possible to record a tour in G3 domes via DVR.
- DVR was losing network gateway in some network applications.
- Network connection was not possible immediately after network disconnect.
- DVR ID in web pages showed one number higher than set in DVR.
- DVR rebooted after a number of smart search actions in web interface.

3.4 Version 1.5.0

File name: 400series.bin (2011-03-28)

This release includes the following improvement:

- PC application support (CC v3.32) of DVR 400 Series with firmware version 1.5.0.

3.5 Version 1.4.0

File name: 400series.bin (2011-01-25)

This release includes the following improvements:

1. Added RTSP server to be able to stream video over RSTP to make it possible to show live video on Smart Phones.
You can connect to the DVR 400 to view one live-view channel as follows:
 1. Enable RTSP On in Network-TCP/IP menu for DVR 400.
 2. Set the DVR IP address in DHCP or enable static IP for DVR 400.
 3. Input the following on the smart phone.
 - rtsp://xxx.xxx.xxx.xxx/cgi-bin/rtspStream/1
 4. If the RTSP port is not the default port (554), use the following on the smart phone.
 - rtsp://xxx.xxx.xxx.xxx:firewall open port/cgi-bin/rtspStream/1Note: xxx.xxx.xxx.xxx is the DVR IP address; 1 refers to channel 1, 2 refers to channel 2, etc.
2. System rights for "Normal users" in the system can be extended per user for playback, search, export and alarm acknowledge.

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3. Per default the HDD is not anymore divided in a normal and event or partition. HDD can record event and normal recordings. Still an event partition can be programmed if required.
4. Time line in search menu can be zoomed three times in this release. Was only one time.
5. PTZ function of movable cameras is slow using control via a Web Client. In this release customer can select the P/T speed in three pre-defined steps using the Web interface.
6. Playback icon added in cameo to clearly identify the difference between live and playback pictures.

In PTZ control panel on local unit and Web interface the text on Aux button changed for OFF and ON to Aux- and Aux+

This release includes the following bug fixes:

1. After a power cycle video is deleted for max. 1 hour in the following conditions:
 - Daylight saving is set to ON
 - Daylight saving is activated (Summer time)
2. The detection of Video format (PAL or NTSC) has been improved.
3. Sometimes the DDNS update of the DVR 400 failed (updated WAN IP providers)

3.6 *Version 1.3.0*

File name: 400series.bin (2010-05-31)

This release includes the following improvements:

1. Fixed missing stop command in Dome control via RS232 using front panel buttons or IR Remote Controller.
2. In this release the IR Remote Controller can have ID range 1 to 9 to control up to nine different DVR's with one remote control.

3.7 *Version 1.2.0*

File name: 400series.bin (2010-04-29)

This release includes the following bug fixes:

1. Continual restart of the unit:

After a power cycle, the Hard Disk Drive in the unit must be recovered. This could take some time, depending on the number of recording blocks. A lot of small recording blocks will be created especially in applications where the recording settings for the four channels are set to Normal-Event-Normal-Event recording and the events will be triggered very often. After the recorded video has been overwritten many times and the unit is power cycled, the HDD recovery time could exceed the watch dog time of 1 minute. This results in the unit continuously restarting. If this is happening then the unit must be sent in for repair. This can be prevented by upgrading the unit beforehand to firmware version 1.2 or higher where this issue is solved.

Therefore, we strongly recommend upgrading all units from v1.1.0 to v1.2.0 or higher.
2. Option to enable NTP via the configuration screen on the web pages.



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3. The setting of network “Bandwidth limit” being limited to 100, 10, 5, 2, 1 Mbps, and 512 Kbps.
4. Playback of 4 channels (quad mode) on the web pages is improved.

3.8 Version 1.1.0

File name: 400series.bin (2010-01-14)

Initial firmware version