



Product	Document type	Release #	SAP/Doc number	Release date
DVR 440/480 Series	Release notes	V2.1.3		2014.10.15

Video Recorder 440/480 Series new firmware versions

1 DVR 440/480 Series firmware v2.1.3 (date 2014-09-19)

File names:

- 440series.bin (date 2014-09-19)
- 480series.bin (date 2014-09-19)

This release includes the following improvement:

- When a unit detects a 'HDD error', the DVR will automatically reboot so that it starts recording again. If the HDD is defective and needs to be replaced, a red flashing warning message will be displayed and the system buzzer will sound by default.

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 440 or 480 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
 - a. File name: 440series.bin [date 2014-09-19] for **DVR 440 Series**
 - b. File name: 480series.bin [date 2014-09-19] for **DVR 480 Series**
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

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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.

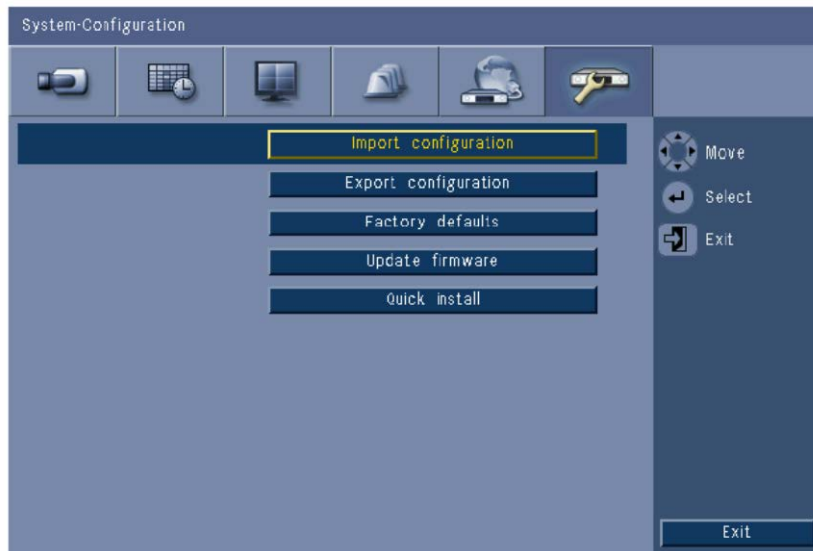


Figure: Update firmware menu

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:
 - a. File name: 440series.bin [date 2014-01-19] for **DVR 440 Series**
 - b. File name: 480series.bin [date 2014-01-19] for **DVR 480 Series**
- Press the "Update" button

Firmware will be automatically updated and unit will be restarted.

3 DVR 440/480 Series firmware version history

3.1 Version 1.0.0

File name:

- 440series.bin for **DVR 440 Series**
- 480series.bin for **DVR 480 Series**

Initial firmware version

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3.2 **Version 1.1.0 (date 2011-12-21)**

File names:

- 440series.bin (2011-12-21)
- 480series.bin (2011-12-21)

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.

3.3 **Version 2.0.0 (date 2012-04-03)**

File names:

- 440series.bin (2012-04-03)
- 480series.bin (2012-04-03)

This release includes the following improvement:

- Web browser support for DVR 600 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'
 - 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'
- Email notification with a 10 seconds video clip (10 pictures, iFrame only)
- Low bandwidth support by selecting 256/512kbps bandwidth throttle (iFrame only mode when selecting bandwidth of 256 or 512kbps in local UI)



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- 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).
- 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
- Dome never stop moving if using PTZ control and drag mouse point

3.4 **Version 2.0.1 (date 2012-04-20)**

File names:

- 440series.bin (2012-10-12)
- 480series.bin (2012-10-12)

This release includes the following bug fixes:

- Export via web access is not possible when logged-on as 'Advanced User' or 'Normal user' that has rights for export. Always an error is stating that the export file contains 0MB. This has been solved.
- Changing the additional "Normal user settings (like allow playback, search) via the web access was not possible. This is also solved in this release.
- The status information (like video loss, motion alarm, log-on,..) is not shown at the bottom of the Control Center 3.35 in combination with v2.0.0. This is corrected in v2.0.1.

3.5 **Version 2.0.6 (date 2012-10-18)**

File names:

- 440series.bin (2012-10-12)
- 480series.bin (2012-10-12)

This release includes the following bug fixes:

- In this version unsigned hard disk drives are supported.
The below drives are released and recommended for use in the DVR440/480.



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500 GB : ST3500410SV
ST31000525SV
WD5000AVDS
1 TB : WD10EURS
WD10EUDS
WD10EURX



We do not test other drives than indicated above to verify reliability:

- When using non-Bosch drives in DVR440/480 Series recorders, Bosch can no longer be held liable for any loss or damages or system mal-function resulting from the use of non-Bosch drives.
 - Bosch will provide advance exchange and carry in service only on Bosch products. This means that failing DVR440/480 Series recorders should be returned for repair without non-Bosch drives.
 - Should non-Bosch hard disk drives be returned, then Bosch will not be held responsible for loss of these drives or any information recorded on these drives or for any consequential damages.
 - Bosch will not be held liable for loss or consequential damages resulting from disclosure of any information stored on these non-Bosch drives.
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- Remote export on low bandwidth networks are supported in this version.

3.6 Version 2.0.7 (date 2013-02-08)

File names:

- 440series.bin (2013-02-08)
- 480series.bin (2012-02-08)

This release includes the following improvement:

- Removed some wanIP providers that are not available anymore to solve issues with some DynDNS providers
- Corrected web site for DDNS server 'sitelutions'.
- Solved issue that sometimes after several connection losses the system does not allow to reconnect again until power cycling the DVR.
- Security update for mobile devices.

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3.7 Version 2.0.7 (date 2013-02-08)

File names:

- 440series.bin (date 2013-03-20)
- 480series.bin (date 2012-03-20)

This release includes the following improvement:

- Firmware supports use of DVR440/480 in BVC 1.4 Sr2

3.8 Version 2.1.1 (date 2013-09-05)

File names:

- 440series.bin (date 2013-09-05)
- 480series.bin (date 2013-09-05)

This release includes the following improvement:

- 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.

3.9 Version 2.1.2 (date 2014-01-16)

File names:

- 440series.bin (date 2014-01-16)
- 480series.bin (date 2014-01-16)

This release includes the following improvement:

- List of external IP discovery services updated to prevent invalid DDNS registration