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Installation and release notes for OrisWin DG Suite 4.2.0

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1 Minimum system requirements

Computer platform:	IBM platform (Standard PC platform)
Memory:	4 GB or more
CPU:	Intel Core 2 Duo 3GHz or better
Hard Drive	100 GB free space or more
PCI (only for Art Plus):	one free PCI slot (PCIe) full height
Graphic Card:	AGP or PCI Express or integrated non-PCI connected (PCI displays adapters are not supported unless approved by FONA)

2 Supported operating systems

- Windows 7, Windows 8
- 32 bits or 64 bits (recommended 64 bits)

3 Recommended monitor parameters

Size of screen:	recommended 24”
Minimum contrast ratio:	500:1
Min. resolution:	1680x1024 or higher
Touchscreen:	Recommended Multi-touch supported Touchscreen

Highly recommended is medical monitor, i. e. EIZO brand.

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4 New features of OrisWin DG Suite version 4.2.0

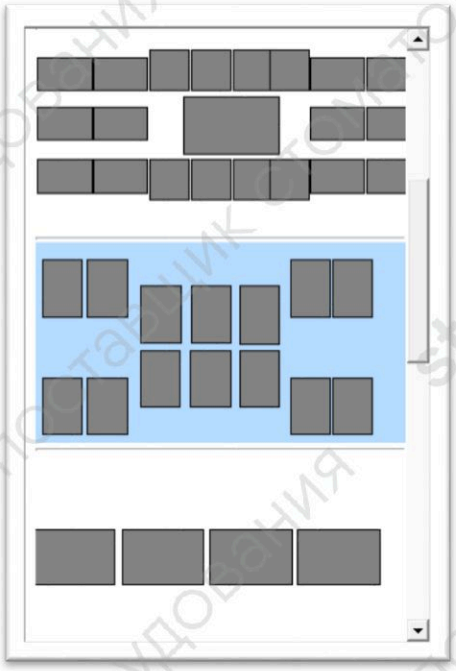
4.1 New Full mouth series / status and follow-ups

Capture intraoral, panoramic or ceph images easily into schemes you prefer. Pick one of the predefined layouts (9 layouts) and easily double-click for acquisition of images. The image will be auto accepted and saved and you can acquire another one. No need to touch the mouse nor keyboard, just easily start taking images (sensors CDR, CDRelite) or scan them one after another (ScaNeo).

It is applicable for

- Check-ups / Bitewings
- Full mouth series
- Endo cases
- Ortho / Ceph cases
- Implant cases follow-up
- Full case documentation
- Intraoral camera photos

Select one of prefered layout from the list or create your own one:



You can also select one as default – for the convenience.

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Just double-click and start acquisition:



Or place them manually from the existing library – just drag and drop.



Every position has also the name which can be changed.
And you can use the predefined order or change it for your convenience.

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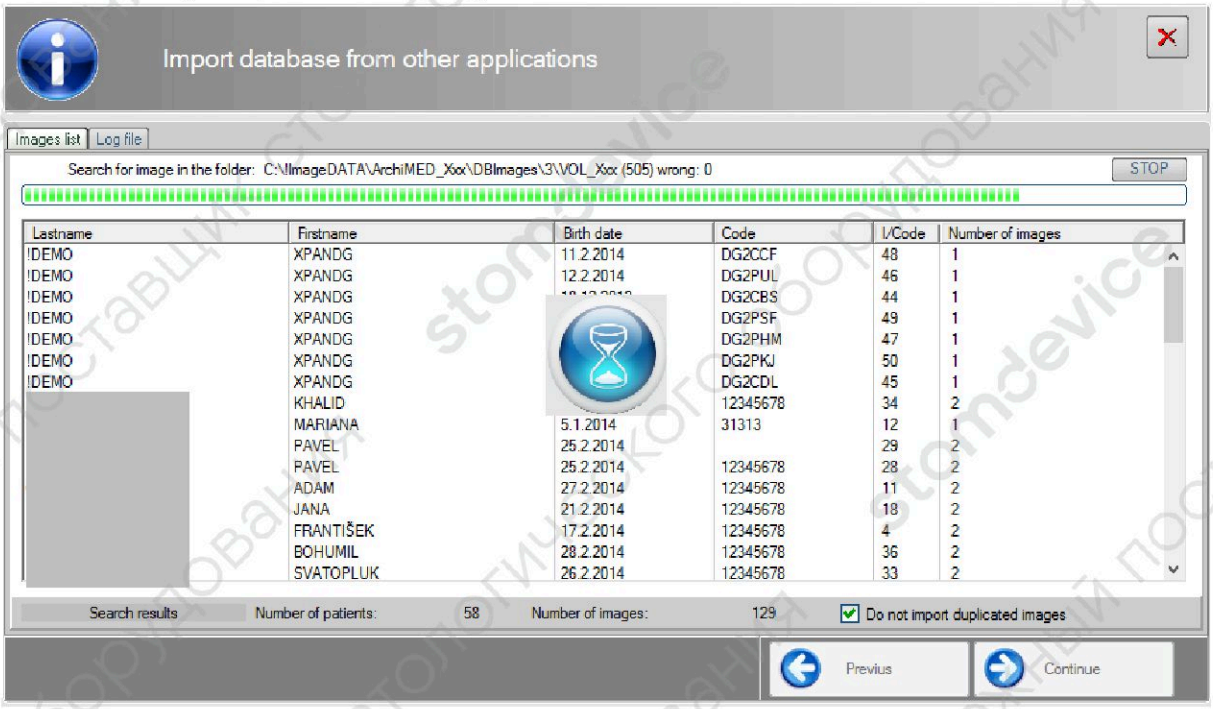


You can save, export or print the whole series as one image with optionally black or white background to save the toner of your printer.
Create also your own layouts just by drag and drop any image to the desired place.

Save every visit / every case as extra page with your diagnostic notes or name, i. e. Endo 21 or IO check-ups. The time stamp will be also always present.

4.2 New Import of images from other applications or folders (i. e. CDR Dicom users)

Move all your old images from previous software's to OrisWin just with few clicks! Patient folders with their demographic information will be created automatically.
This feature is great for transition from CDR Dicom to OrisWin or from any other systems storing images as DICOM images.
Keep all patient data in only one database - in new OrisWin - without the need of switching environments. Keep all patient data documented in one folder – does not matter if it is X-ray, intraoral image or panoramic image.



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4.3 New Multiple monitor support + special function to send the image to the 2nd monitor

Send the current working window to the 2nd monitor mounted on the treatment center or just send the image to the 2nd screen clicking on the little button present at every 2D image in the corner. The function supports up to 4 monitors.



Primary monitor



Secondary monitor



For return easily use the ESC button.

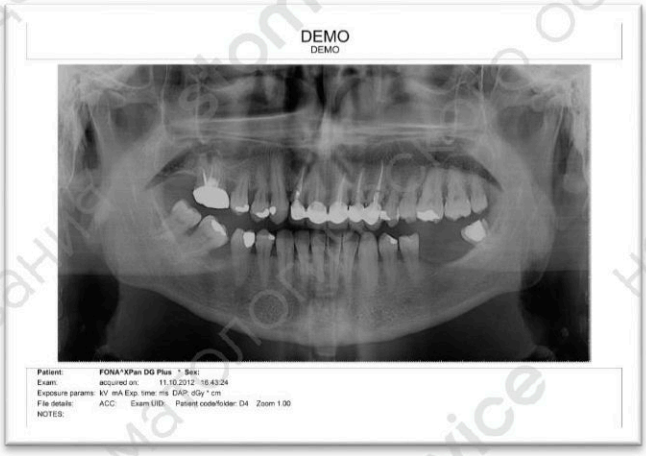
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4.4 New 2 print layouts (Pano + Ceph) for even larger printed images

Get bigger printouts of your PANO and CEPH images with two new layouts. Print 1:1 for PANO and with ratio 0,8 for CEPH image.





4.5 New Embedded E-Mail client allows sending images directly from the OrisWin (i. e. Gmail, Yahoo etc. account)

Send one or more images from your patient database to the recipient seamlessly, without extra steps to export and attach the image in your web-based e-mail clients.
You can select the preferred format: DICOM or JPG or BMP and type: elaborated (with all measurements and adjustments of colors), or original.



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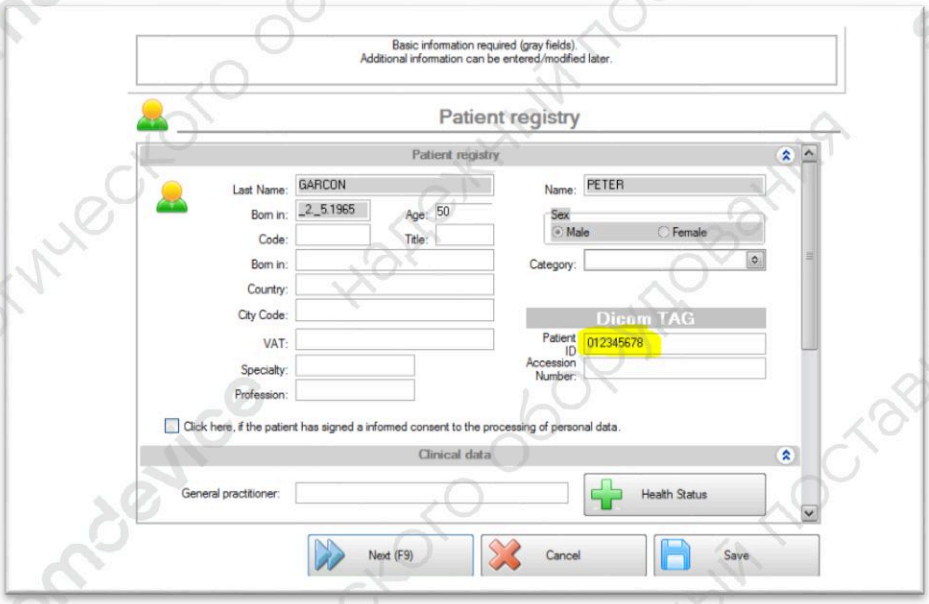
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4.6 New Search for patients according Social ID speeds up the search

Use the Patient ID for searching of patients – just type part or whole Social ID to the search field and results will be filtered.





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4.7 New option to save the image with or without Gamma correction to PACS

Without Gamma correction



With gamma correction applied (Gamma = 1.3)



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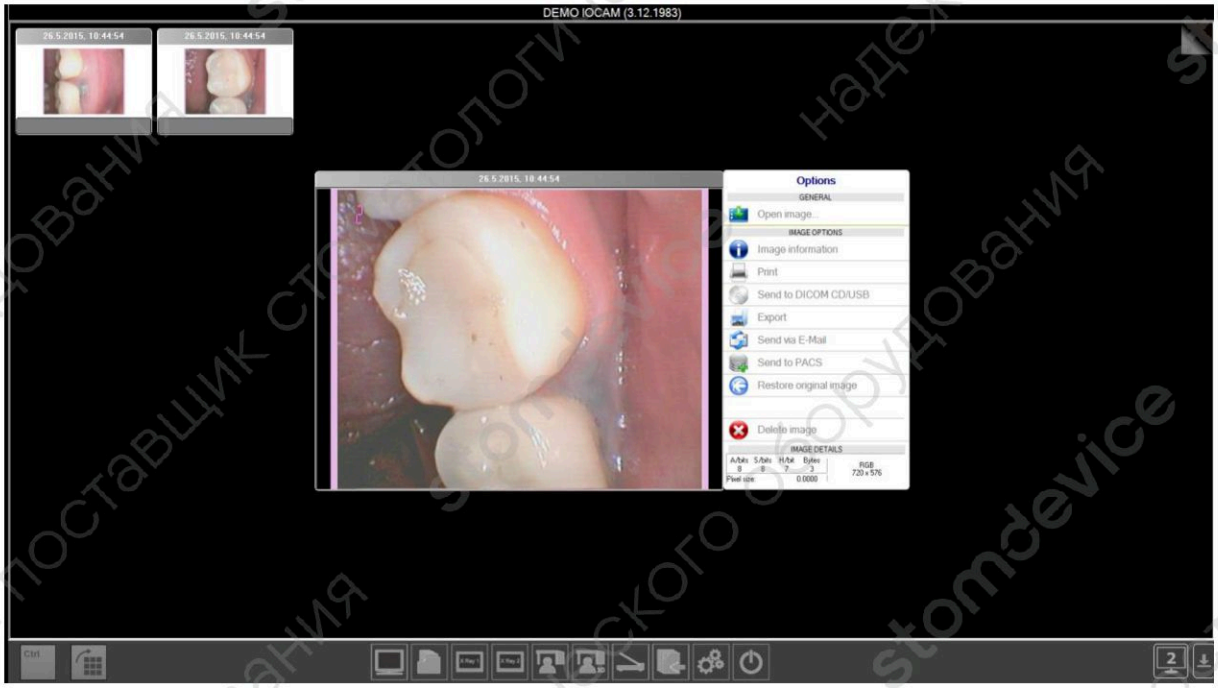
You can manage the settings in Settings -> DICOM-> Storage:



4.8 New Intraoral cameras support for intraoral photography to get fully documented case

You can use any FONA camera to acquire images to the patient images folder. Both FONA 1000 and FONA 2000 intraoral cameras are supported in OrisWin.

For acquisition, use the button  in the acquisition toolbar.



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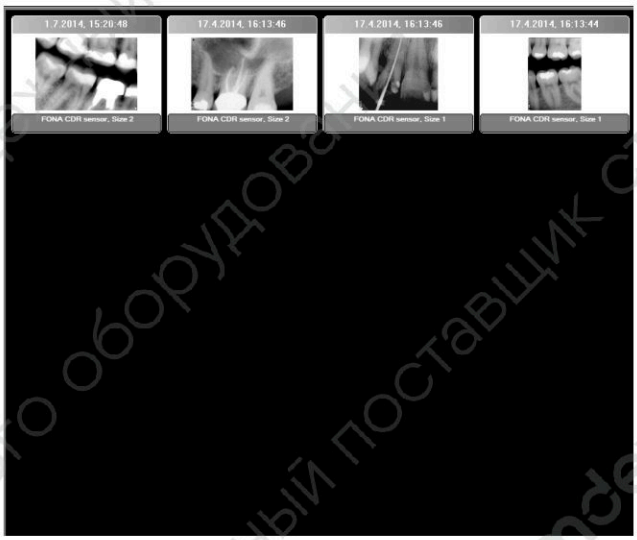
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5 Improved workflow

5.1 Double-click on patient name automatically opens the image database without extra clicks

Just double click and get the list of patient images preview.





5.2 Optimized measurement tools for seamless work

The measurement tool has been optimized to be smoother for easier measuring.



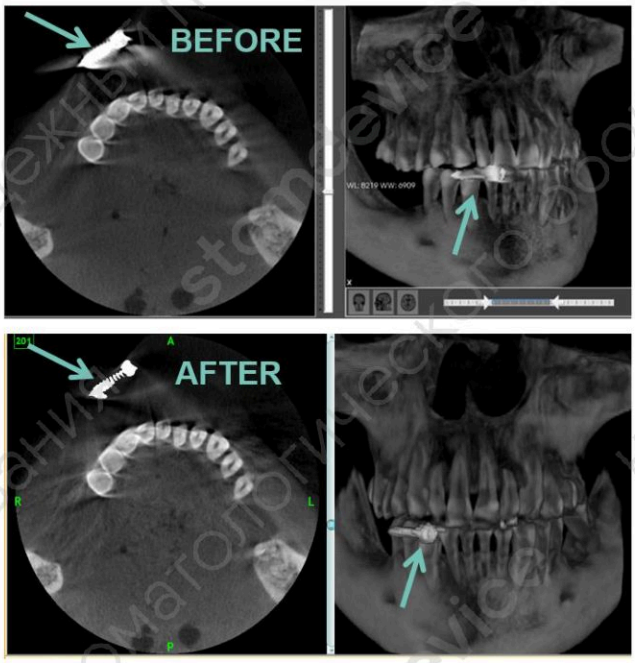
5.3 Possibility to apply the Metal Artefact Reduction filter repeatedly on 3D volume

The filter can be adjusted if not sufficient or if it is set to be too aggressive. You can always obtain optimal image with reduced Metal artefacts.

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5.4 Added closing button for every displayed image to speed up the workflow

Closing button saves the clicks and allows to keep only images which are desired to be displayed on the desktop.



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5.5 New visualisation of 3D volume using smoother rendering for nicer image renders

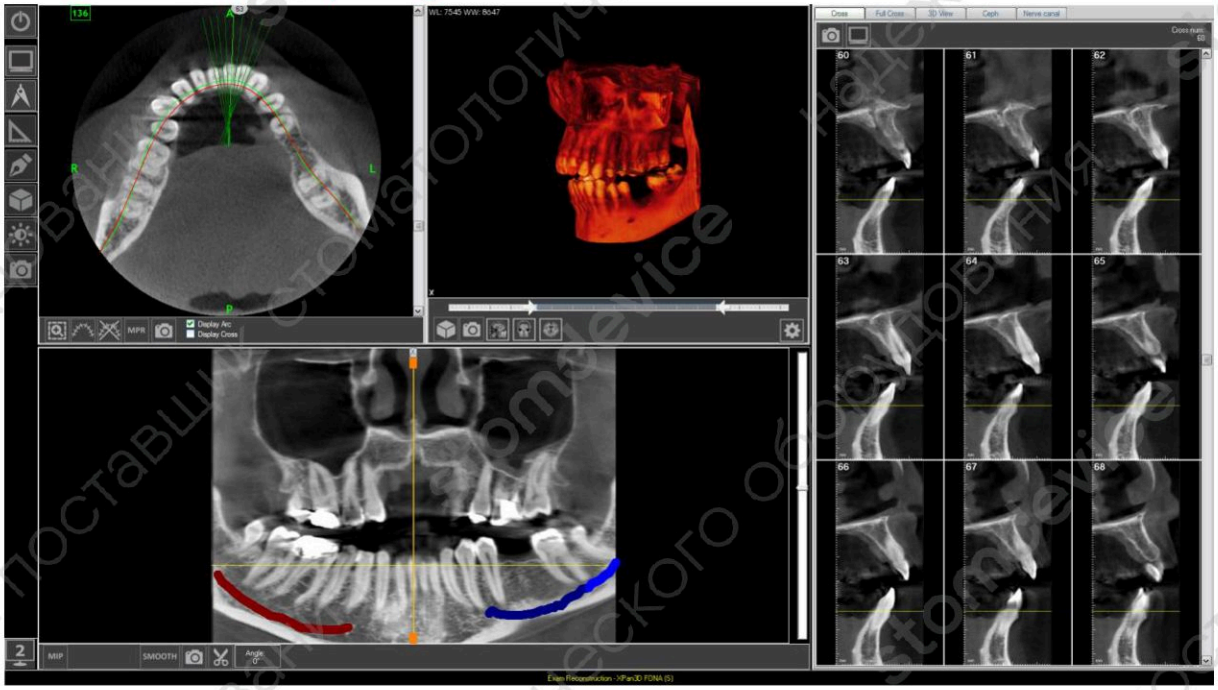
The great overview and tool for the communication with the patient is now smoother and you can benefit of the visualisation color coding: LUT, LUT Bone+Tissue or LUT Bone.



5.6 Fixed problem with Study instance UID for XPan DG with USB connection when image received from DICOM WorkList

5.7 All DICOM functions hidden when the license is not purchased

5.8 New more self-explaining icons in 3D module



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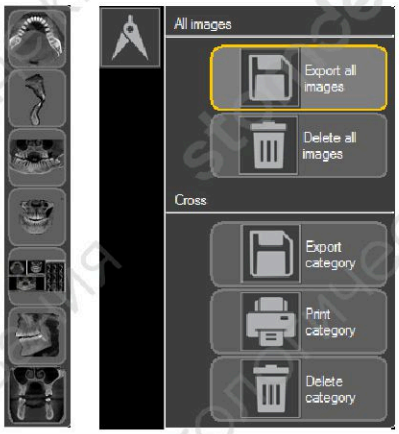
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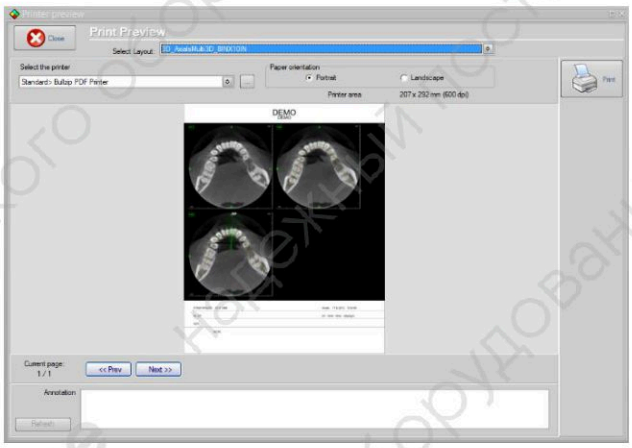
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5.9 Simplified exporting of all types of images from 3D studies for easy print or export

Acquire screenshots, export them or print them using the layout you prefer.



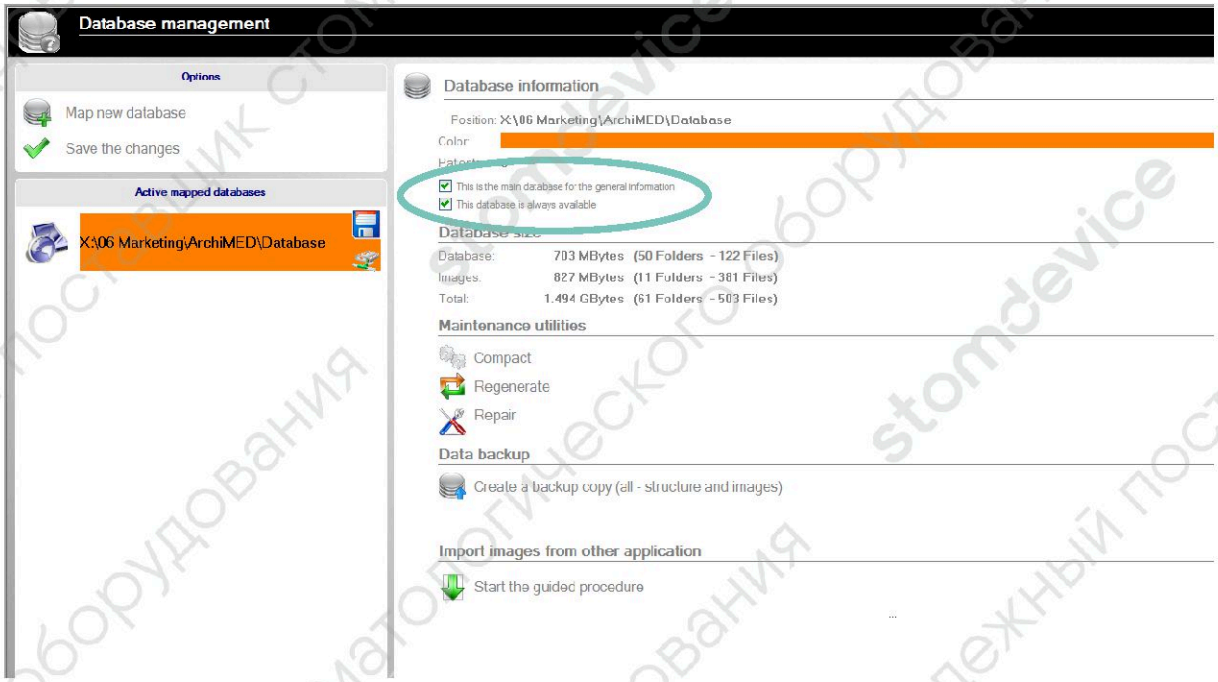


5.10 Enabled exports in DEMO mode to demonstrate even more functions

6 Technical improvements

6.1 Prevention of creating new database when server database is offline, no more local databases created locally

When the server is offline, if database is selected as “This database is always available”, the software will not continue, unless the user decides to use another database. This prevents to have patients stored in local PCs databases.



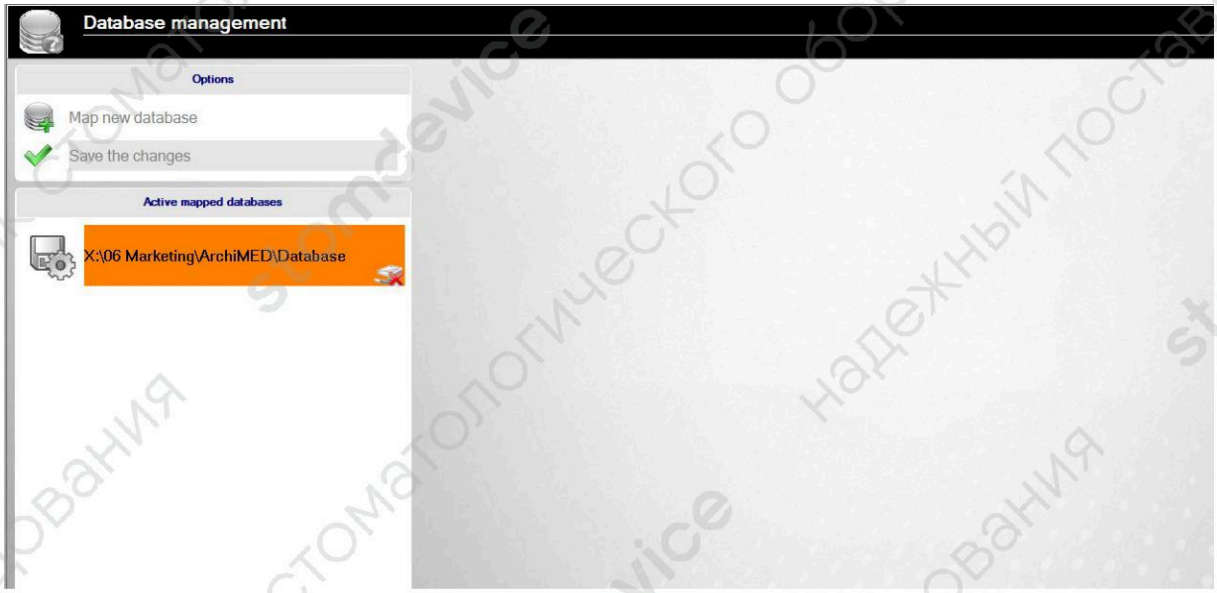
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When database is not found (server is not accessible), the software will warn the user:



If you still proceed, the main required database will be shown as inaccessible and you will have the option to select another database manually.



6.2 New Backup/Recovery of all OrisWin settings to allow technicians to recover failed drives / PCs

The Backup and Restore utility can be found in the installation folder:
In the subfolder OrisWin_BackUpRestore.
It can be used for the backup of settings from version 3.xx Standard edition and transferred to the version 4.xx (in this case all settings except filters is transmitted).
The utility can be used by technicians to take a snapshot of last working configuration.
The utility back-ups:

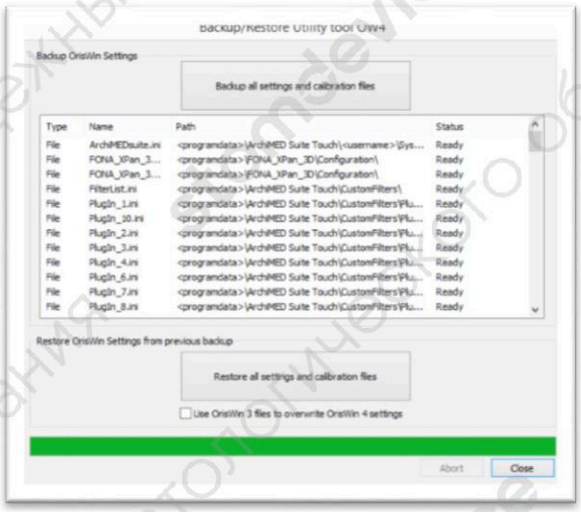
- All plug-in filters and user filters
- All Printer scripts
- All settings of acquisition for all connected FONA devices
- Complete settings of OrisWin incl. databases, DICOM communication etc.

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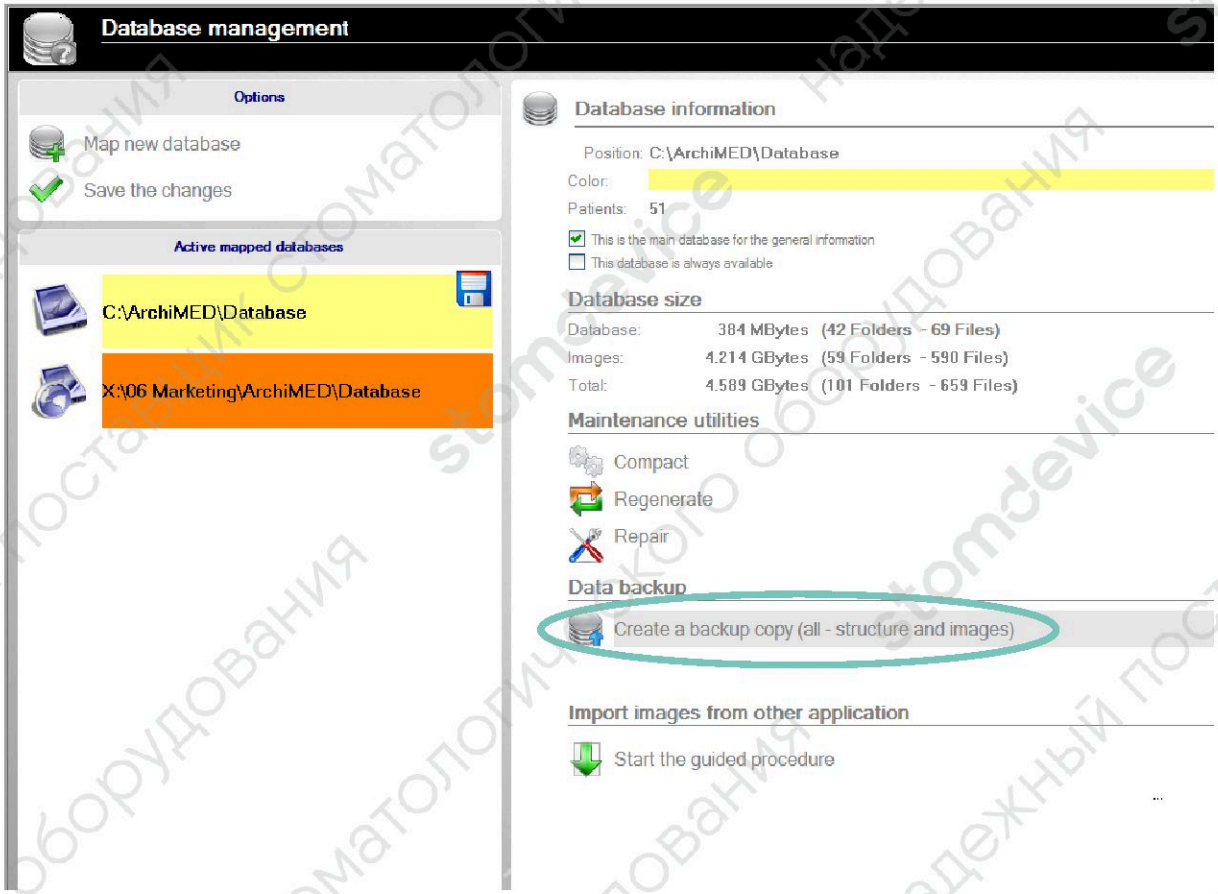
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- All calibration data (for all our technologies)



6.3 Default backup of the patient database every 7 days, incl. patient data and images with the possibility to recover from the selected recovery point

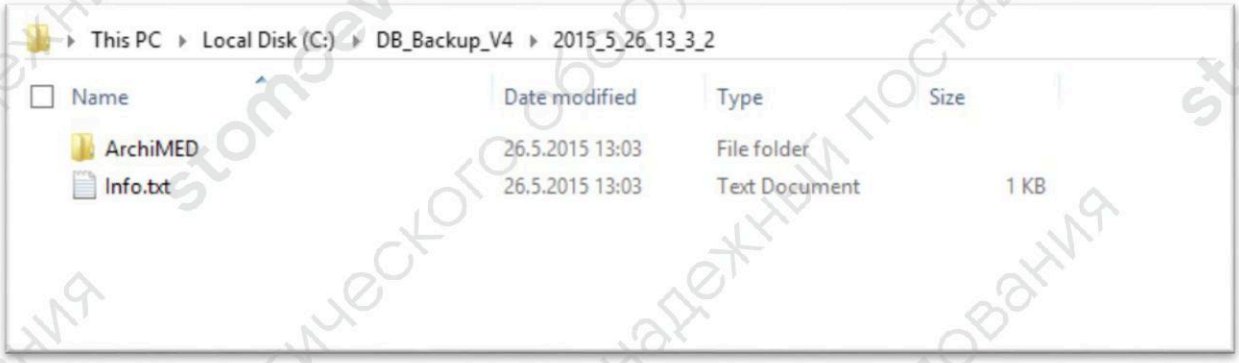
All patient data (images and patient details) are stored to the folder \DB_Backup_V4 in the folder with time stamp.



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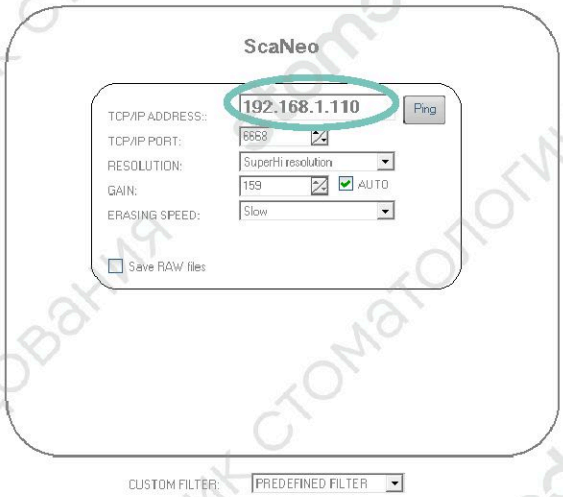
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You can also call this function manually from the Database management.
Whole ArchiMed with details about the backup are saved in the backup folder:



6.4 ScaNeo default IP address is now always 192.168.1.110 as ScaNeo factory default

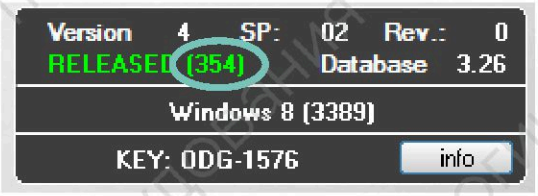
When ScaNeo is linked to the acquisition button, no more settings is needed, unless you need to adjust the ScaNeo for Local Area Network settings.



6.5 Fixed languages issues with missing translations

6.6 Support for Chinese Traditional and Chinese Simplified

6.7 Information of the software version extended for build number



6.8 Added DICOM tags with exposure parameters for XPan 3D, XPan DG and XPan DG Plus

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