

WINJAW+



Release Notes WINJAW+

describes included functions up to and including version 4.0.10
Illustrations in this user manual may differ.

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Please always quote the serial number of the product when making enquiries!

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1 Foreword

This document contains the release notes for the respective version of WINJAW+ V4.0.

1.1 Installation

See software instruction manual WINJAW+.

1.2 Safety Information

There are no special safety instructions for this software version. General safety relevant notes can be found in the WINJAW+ user manual.

1.3 Applicable Documentation

#	Description
1	WINJAW+ Software User Manual (EN)
2	JMA Optic Technical Data and User Manual

1.4 WINJAW+ System Requirements

	Minimum requirements	Recommended requirements
CPU	Intel Core i5 / 8th generation or comparable	Intel Core i5 / 11th generation (x64) Intel Core i7 / 11th generation (x64) cf. i7-11800H
RAM	8GB RAM	16GB RAM
Data storage	500 GB SSD technology recommended	1TB SSD
GPU	1 GB available graphics memory (VRAM) OpenGL4.6 support DirectX 9.0c	1 GB available graphics memory (VRAM) OpenGL4.6 support DirectX 9.0c
Graphics card		cf: NVIDIA® GeForce RTX™ 3050Ti cf: NVIDIA® T1200
Display	Full HD (1920x1080pixels)	Full HD (1920x1080pixels)
Connections	1 x USB 2.0	1 x USB 3.1, 1 x USB-C
Operating system	Windows 11	Windows 11 22H2 and higher
PDF viewer	Ex: Adobe Reader DC	Ex.: Adobe Reader DC
WINJAW+ Function and Digital Occlusion	-	O
WINJAW+ Splint Designer, Attachment Designer	-	O
WINJAW+ Basic function Articulator	O	O



If you have any questions regarding the system requirements listed above, please contact your dealer's support department.

2 WINJAW+ 5.0

2.1 New Functions

#	Description
General	
1	A new license method for license verification is added.
2	Adaption of the design to increase the readability.
3	The UDI Labeling was added to the About Dialog.
4	CSV-Raw export: coordinate system of record is added in record info file.
5	The service window for support purposes was implemented in the device manager.
Database	
6	The patient properties can be opened by clicking on the patient picture in the database.
7	The design of the shown pictures in the database was improved.
8	The buttons in the database were reduced. The edit and delete function is shown when clicking once on the patient or data set. The filter function can be activated in the program settings.
9	A check when external database location was enabled and no path defined is added.
Measure	
10	The measurement setup can be opened by clicking on the measurement configuration in the measurement selection.
Viewer	
11	In the show/hide menu it's possible to show several articulators. It's also possible to show and hide the components of the Articulator separately.
12	The function to change the plane selection was added in the 'model' card of the view mode.
Report	
13	Tracks will be shown in the EPA-Diagrams of the Report.
Module Functions	
14	Cerec Articulator: If there is a individual Attachment from the Attachment Designer activated It's possible to use the Attachment as a matching method in the measurement.
15	Attachment Designer and Splint Designer: The leaving page confirmation was added when closing the window or click on database.
Function and Digital Occlusion	
16	View: It's possible to define several manual therapeutic positions.
17	View: The triangle structure of the imported scans can be shown in the show/hide menu.
18	View: In addition to opening and protrusion movements it's now possible to define a manual therapeutic position based on gothic arch and posselt sagittal movements if they have been recorded.

#	Description
19	Export: New export option to Baumann dental is implemented.
20	Export: The Articulator for export can be choosen by drop-down menu.
	Attachment Designer
21	The jaw model can be subtracted from the designed attachment. Therefore it's possible to use the bridge as printing support.

2.2 Optimizations

#	Description
General	
1	General: UI Inconsistencies in export (eg. model, dentalProject,...) from the viewer are fixed.
2	General: Design was revised to improve the readability.
3	General: Feature for C-Positioner is added to default license.
4	View: Export interface was improved.
5	View: Only the tracks of the imported interval is shown.
6	The model export selection is optimized.
7	Report: Calibration mode was added to measurement information in the report.
Module specific functions	
8	Function and Digital Occlusion: When matching Scans with Bitefork, reference points on impression material can be used.
9	Function and Digital Occlusion: Facescan import is optimized.
10	Splint Designer: The splint position detection was improved.
11	Cerec Articulator: Incisal point is taken from Bitefork.
12	Attachment Designer: When clicking back in the Attachment export wizard the attachment overview will be shown.
13	Attachment Designer: Plausibility check was implemented when the rotation of the models was changed.
14	Attachment Designer: When the plausibility check fails, a warning will be displayed. It's now possible to continue the design workflow even when the plausibility check failed.
15	Attachment Designer: The selection method of a table item is unified.

2.3 Bugfixes

#	Description
General	
1	Scan Import: New variant of ply format was implemented.
2	The display of the connection to MeditLink is optimized.
3	The error when loading meshes is fixed.
4	Visual glitches are fixed.
5	The Problem with the frequency interpolation in rare cases with many exercises is fixed.
6	View: The problem where the incisal distance value was displayed incorrectly is fixed.
7	View: The Problem when opening a measurement with multiple additional surfaces is fixed.
8	View: The problem with visualization of the crosses in the axis diagram is fixed.
9	Export: An error in the export routing has been fixed.
10	Report: Parameter calculation in comparison report for parameters incisal ROM fixed.
Module specific functions	
11	Function and Digital Occlusion: The problem while matching scans by pointer was fixed.
12	Function and Digital Occlusion: Face morphing is only available when the face scan is a single mesh.
13	Function and Digital Occlusion: The Problem when a record with incorrectly defined metrics is opened is fixed.
14	Function and Digital Occlusion: The export of facescans as *dentalProject is optimized.
15	Function and Digital Occlusion: *.dentalProject export fixed when additional scans are loaded.
16	Function and Digital Occlusion: The problem in the measurement after importing surfaces is fixed.
17	Splint Designer: The splint suggestion was optimized.
18	Attachment Designer: Software crash prevented when development attachments designer records are loaded.
19	Attachment Designer: The Problem with solidization failure on multi-component scans is fixed.
20	Cerec Aricator: The problem with imported scans when accessing section cut or splints was fixed.
21	SICAT JMT Measurement: The measurement workflow with Bitefork is fixed.

