



 Aadva™

IOS

E Intraoral Scanner
Quick Guide

GC

E - Contents

Preface.....	3
Components.....	4
Unpacking.....	5
Starting/Booting the system.....	5
Log-in	5
Scanning.....	6
Inspecting	9
Additional scans.....	10
Bite scan.....	11
Margin line definition.....	12
Bite registration.....	13
Restoration section.....	14
Delivery	15
Attachments	18
Summary	18
Data transfer.....	19
Terminating and disconnecting the device	19
Additional features	20
GC Digital Services Team.....	22

Preface

E

Dear IOS Customer,

We would like to thank you for purchasing our GC Aadva Intraoral Scanner.

Our GC Aadva IOS allows you to capture 3D dental impressions.

Please carefully read and follow the instructions for use described in this manual in order to safely operate the GC Aadva IOS. Improper use of the device will result in personal injury and hazardous situations.

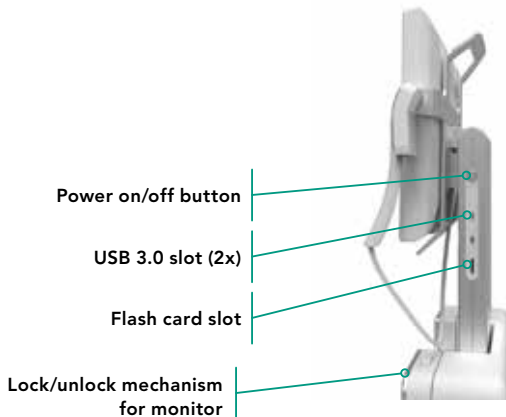
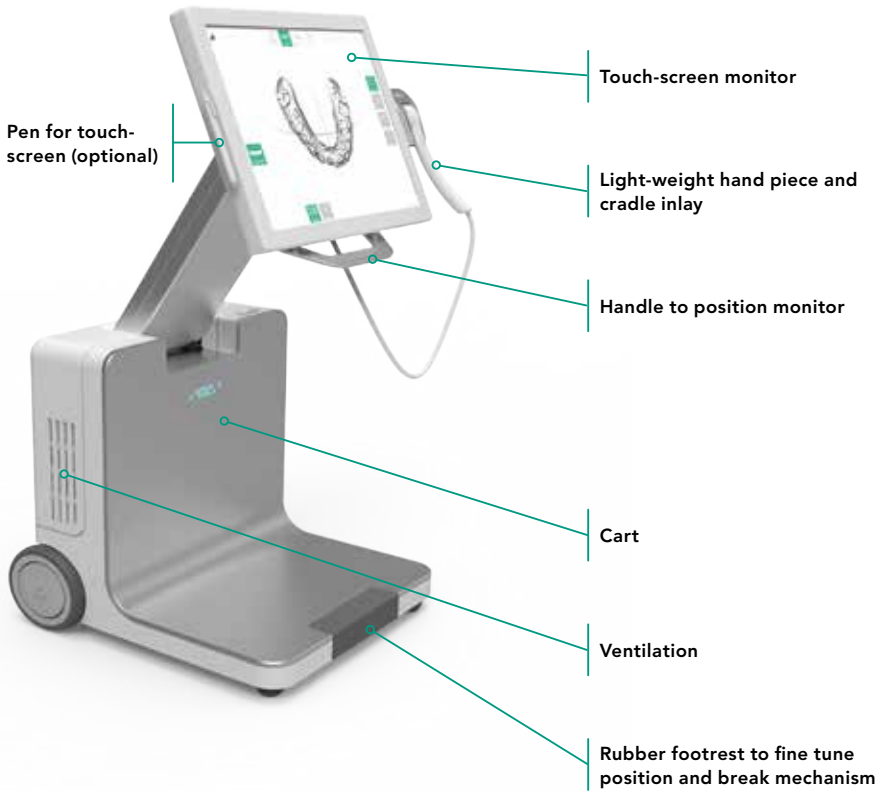
When multiple users are operating the device, make sure that all users read these instructions and are trained prior to operating the GC Aadva IOS. We advise you, prior to scanning a patient, to scan gypsum models without sectioned dies to fully master our GC Aadva IOS.

Store this manual where you can easily access it when you would need help and/or information.

The begin date of the warranty is the day of activation of your IOS device.

GC Europe N.V.

Components



Unpacking

1. Unpack and remove foil.
2. Unlock brakes.
3. Unlock screen. (A)
4. Adjust screen to required position using the handles



Starting/Booting the system

1. Plug in the main power cable.
2. Flip the main power switch to the 'I' position, located at the back of the cart. (B)
3. Push the power button, located at the back of the screen. (C)
(The system will also start automatically, when the monitor is unlocked and pushed entirely forwards)



Log-in

The start screen will ask you to enter your user name and a 6-digit pin, which will be provided at the installation of your GC AADVA IOS.
If you forgot your pin code, please call our GC Digital Support Team

Scanning

1. Press 'Create new patient'

Insert patient data by using the touch screen, or skip this, and insert data at the end of the scanning session.

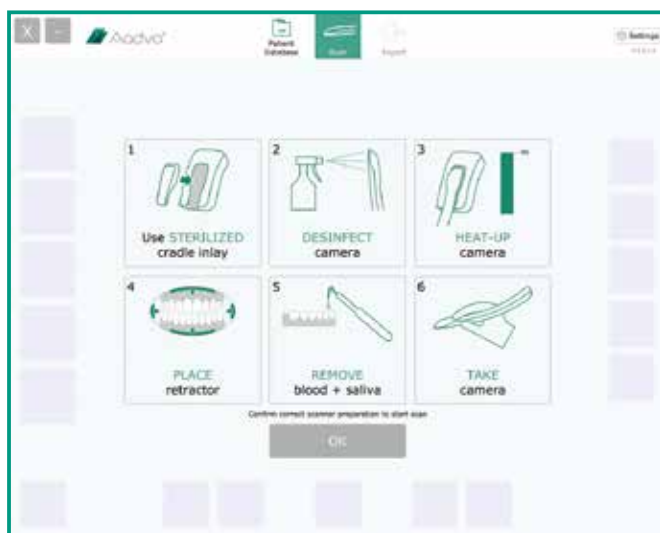
The system will save all the data from previously entered patients, so you will be able to browse through patients by pressing the 'search patient' button.

Patient ID	Last Name	First Name	Birth Date
10	David	Yehon	1990-01-01
11	David	Yehon	1991-01-01
12	David	Yehon	1992-01-01
13	David	Yehon	1993-01-01
14	David	Yehon	1994-01-01
15	David	Yehon	1995-01-01
16	David	Yehon	1996-01-01
17	David	Yehon	1997-01-01
18	David	Yehon	1998-01-01
19	David	Yehon	1999-01-01
20	David	Yehon	2000-01-01

2. Press 'Start Scan'

You will get a 6-step procedure:

- 2.1 Use the cradle inlay (please sterilize the cradle first, using the prescribed guidelines) and change the inlay for each new patient.
- 2.2 Disinfect and wipe the hand piece dry
- 2.3 The scanner will heat up to prevent fogging.
Please wait until the bar turns green.
- 2.4 Place the retractor (e.g.: Kerr OptiView)
- 2.5 Remove all blood and saliva.
- 2.6 Take the hand piece before pressing 'OK' or make an up-and-down movement while holding the hand piece (if activated in the settings menu)
- 2.7 A timer will count down from 5 to 0 seconds, indicating when the scanner will start scanning.



3. Start scanning

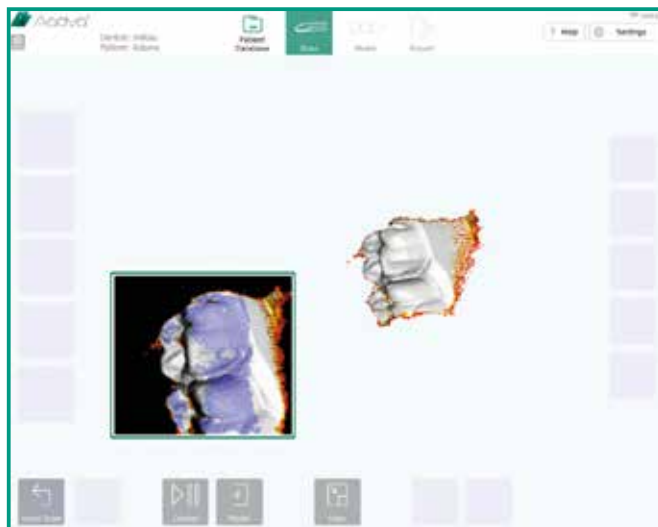
- Choose an easily accessible starting point, parallel to the occlusal plane and start moving the hand piece. (A)



- The ideal distance between the scan head and a tooth is between 0 and 15 mm. A sound will be heard indicating the range of focus. (If activated in the settings menu)

Waypoint: A 'waypoint' is a reference point to which you can return if you lose scan focus. You can make a waypoint simply by letting the scan head touch the occlusal plane. Recommended waypoints : At the beginning, at premolars and at the end.

- On the screen, you will see a real-time image of the scan. The blue colour in the left frame indicates which parts are being viewed by the scanner
 - You can hide the real-time image by pressing the 'Hide' button.
 - On the right hand side, you will get a 3D image of what the scanner already captured.
 - Grey/white colour: Captured
 - Red/Orange colour: Not captured/re-scan if needed
4. Pause at any time by pressing the '**Control**' button and review the scan.
 5. Continue scanning by pressing the '**Control**' button again.
 6. Press '**Reset Scan**' to start over.



Inspecting

1. When finished scanning press the '**Model**' button.

You will have again the opportunity to inspect the model by using the interface at the right side of the screen



Rotate: Rotates the model by moving your finger over the model.

Move: Swipe your finger from the model to the desired position.

Zoom: Pressing this button will allow you to zoom in-and out.

Reset view: The model will be placed back into the starting position and size.

Switch view: Add contrast to the mesh.

2. Automatic filling of holes

- Parts which were not scanned will be automatically filled by the software and will be indicated in red. (To change this colour, go to the settings menu)
- If you wish to re-scan in this phase, press the '**Re-scan**' button.
- If you are satisfied with the scan, press the '**Save**' button.



Additional scans

1. After having clicked the **'Save'** button, four new buttons will be shown. Define which type of scan you just made.



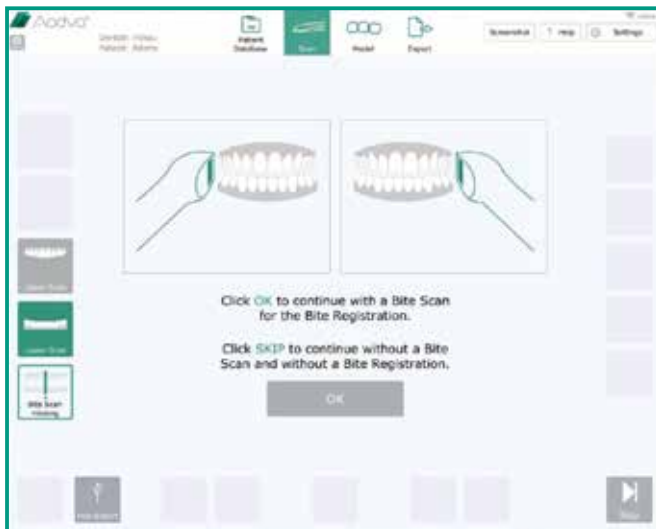
- You will be redirected back to the start screen. On the left side, you can see which scans you already made.
2. Follow these 6 steps again and press **'OK'** to start a new scan or overwrite the previous.
 3. Press the **'Skip'** button if you have all your required scans.

Bite scan

When both the upper –and lower jaw are scanned, a new window will open. This will allow you to record the bite scan.

1. Press 'Ok' to continue or press 'Skip'

- To record the bite scan, make sure the buccal surface of the upper and lower teeth are scanned while the patient keeps maximum intercuspation.
- Once the upper, lower –and bite scan are saved, you will be redirected to the Model section. Even without these scan, you can always enter the model section by pressing the '**model**' icon.
- The '**Fast Export**' button is visible and allows you to export the existing scan quickly to an external memory stick.



Margin line definition

This function allows you to draw the margin line of the prepared tooth/teeth. The main central area shows the 3D model with the preparation on your chosen scan type. If you select a specific spot, it will show the point in the miniature support view. By making subtle movements, the point can be moved. When releasing the touch-screen, the point is added.

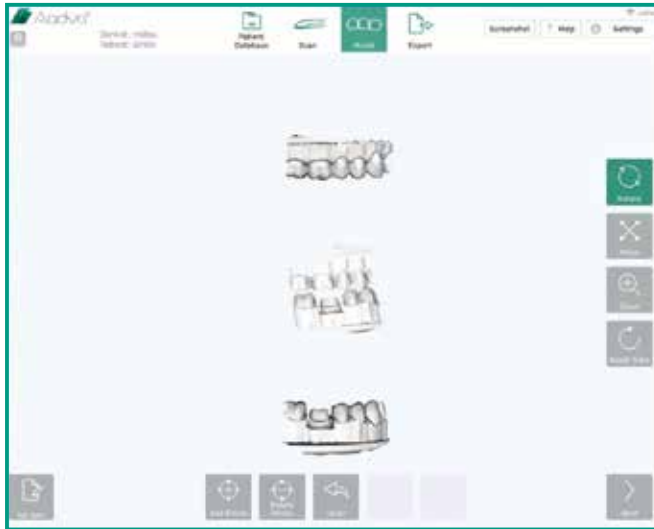
Press '**Save**' when you are satisfied with your preparation. A new window will pop-up, asking to proceed to the next screen or, to add a margin line to an additional preparation.

- **Add points:** by touching this icon, points can be added around at the margins of the preparation.
- **Undo:** by clicking undo, with each click the last action selected point is removed. A history of 40 points shall be stored
- **Delete points:** after clicking the delete point icon, points can be removed by clicking them in the model view window
- **Hide:** hide position for the support window
- **Save:** save function to finish the margin line definition

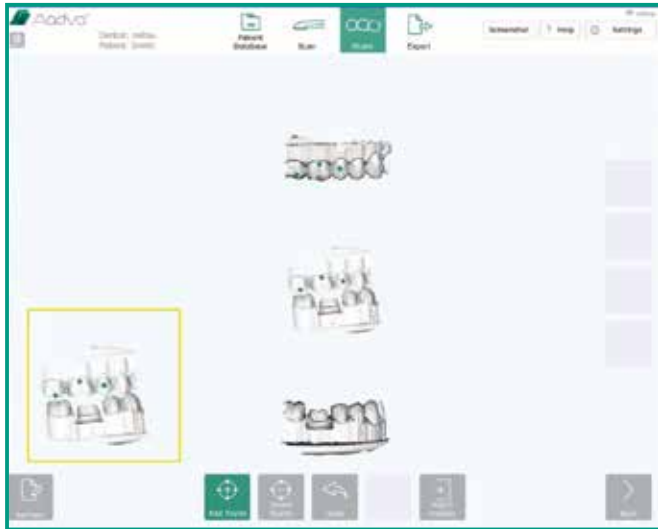


Bite registration

The bite registration sets and checks the occlusion between the upper, lower – and bite scan. When checking the occlusion, you will initially see the upper model and the bite registration scan.



1. Press '**Add points**' and choose at least 3 points on the upper model and on the bite registration scan. (The location and set order must be the same on both scans)
2. After setting all points, press '**Match models**' to match the models.
 - **Add points:** by clicking this icon, points can be added by clicking the respective model area
 - **Delete points:** after clicking the delete point icon, points can be removed by clicking them on the model
 - **Undo:** by clicking undo, with each click the last action selected point is removed.
 - **Hide:** hide position for the support window
 - **Match models:** merge models
 - **Add note:** by clicking this icon, notes can be added
3. After merging the models, press '**Add points**' and choose again at least 3 points in both models.



4. Press 'Match models' again.

- You will now see the models, colored with colours which show the contact points and the distance between teeth (in mm).

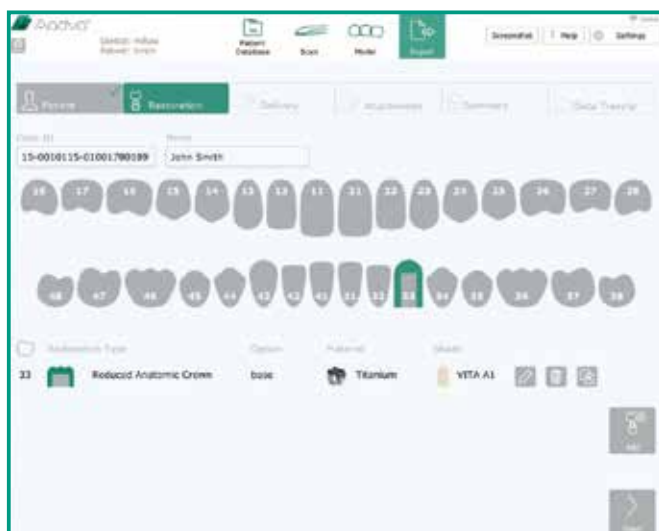
5. Click on a model to rotate, move or zoom.
Click 'Add note' to add a remark.

7. When satisfied, press 'Save' to proceed to the Export tab.



Restoration section

1. Fill in all missing patient data.
2. Select the tooth/teeth you wish to have restored.
With each tooth you will get the following options to define:
 - Restoration type
 - Material
 - Shade
4. Click '**Save**' to proceed
5. Click the '**Clone restoration**' button, to copy the same specifications for an additional restoration.



Delivery

1. Insert your desired delivery address and **'add to favourites'** to save this address.
2. Select the check box in case of a different billing address and you will have the option of entering the alternative billing address.

The screenshot displays the Prologix software interface, specifically the 'Delivery' section. The top navigation bar includes icons for Reports, Users, Mail, and a green 'Delivery' button. Below the navigation bar, there are tabs for 'Delivery', 'Addresses', 'Summary', and 'Book Transfer'. The 'Delivery' tab is active, showing a form for adding a new delivery address. The form includes fields for 'Task ID' (15-001015-01000/700109), 'Name' (John Smith), 'Default LAG Address' (Miller, 1st Avenue, 2110, Boston, USA), and 'Billing Address' (Walker, 2nd Avenue, 2110, Boston, USA). A checkbox labeled 'Billing is different (Billing address)' is checked. A 'Save' button is visible at the bottom right.

Attachments

1. Add attachments to your order by clicking 'Add'.

These can be derived from your memory stick or flash card by using the ports located next to the power button.

How to add an attachment from memory stick or flash card:

- Insert your memory stick or flash card into the appropriate port
- Click 'Add' and select your media device
- Choose your file and click 'Open'

2. Add notes if required

3. Click 'Save' to proceed



Summary

1. After clicking '**Save**' you will see a summary of your entered data.
2. Confirm the accuracy and completeness of the information by clicking the check box and pressing the '**Confirm**' button.
3. You can also view the PDF order sheet by pressing '**View PDF**'.

The screenshot shows the Aadva software interface. At the top, there is a navigation bar with icons for 'Dashboard', 'Reports', 'Tools', 'Router', and 'Export'. Below this is a secondary navigation bar with 'Summary' highlighted. The main content area displays the 'ORDER FORM' for 'Case 16/ 16-001115-0101700100'. It includes a table with columns for 'Product description', 'Quantity', and 'Unit price'. Below the table, there are checkboxes for 'YES' and 'NO', and a 'Confirm' button. The interface also shows a 'Summary' tab and a 'View PDF' button.

Data transfer

Choose your method of transferring your data by selecting one of the four options on the screen.

- USB: To save your PDF file to your USB stick
- Aadva DSP only: To export and manage your file(s) in your Aadva DSP (Digital Services Platform)
- USB and Aadva DSP: to save your file on your USB stick and to manage your file in the Aadva DSP.
- Network: to export your file to your local network

Please read the GC Aadva DSP Quick Guide for more information about the GC Digital Services Platform (DSP).



Terminating and disconnecting the device

1. Push the power button, located at the side of the flexible arm (C)
2. Flip the main power switch, located on the back of the device to the 'O' position (B)
3. When all the above steps are performed, the power cable can be safely disconnected from the device and wall socket.

Terminating and disconnecting the device



General

Gesture control	Enable or disable the gesture control for initiating scanning
Dentist address – Title	Displays title
Dentist Address – First Name	Displays first name
Dentist Address – Last Name	Displays last name
Dentist Address – Street	Displays street
Dentist Address – Zip Code	Displays zip code
Dentist address – Country	Displays country
Cart ID	
Hand piece ID	Displays the unique ID of the hand piece
Dental Notation System	Choose the dental notation type
Keyboard Layout/Language	Choose the keyboard layout
Language	Choose the language
User Management	Displays the active or inactive status of the user management
Wi-Fi Connection	
Status	Displays online or offline status of the Wi-Fi connection
Hidden Network Name	Displays the active or inactive status
Network Name	Displays the network name
Wi-Fi Password	Displays the Wi-Fi password

Scan

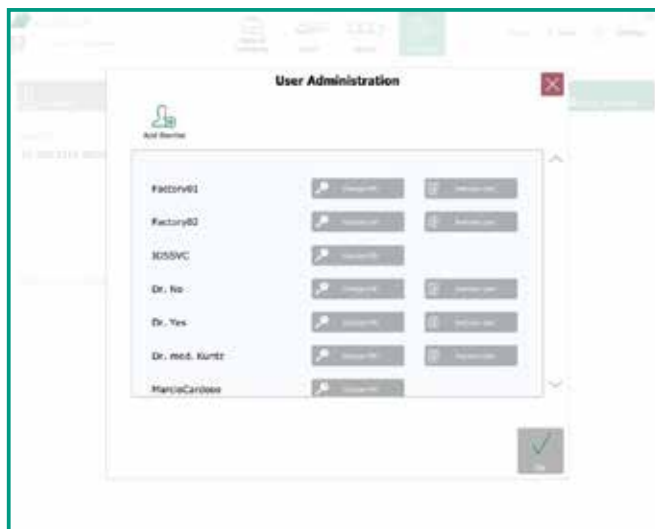
Acoustic Scan Feedback	Activate or inactivate the sound during scanning
Scan Countdown	Activate or inactivate the scan
Miniature Support View	Activate or inactivate the miniature support view

Model

Bite Reg. Max Dist. (mm)	'Bite registration maximum distance'. With this setting, it is possible to change the visualized distance range between the upper and lower jaw after the bite registration.
Default Mesh Colour	Change the colour of the generated mesh
Default Zoom (Model section)	Adjust the default zoom setting in the model section
Maximum Zoom Value	Adjust the maximum zoom value in the model section
Margin Line	
Point Size in % (?)	Adjust the size of the added points in the margin line section
Line Thickness in %	Adjust the line thickness in the margin line section

Export

Mesh Export Format	Choose between STL or PLY file type to export
Aadva DSP – Username	Displays the username of the Aadva DSP
Aadva DSP – Password	Displays the password of the Aadva DSP
Export ATF Files	Activate/deactivate the export of ATF files
Export Log Files	Activate/deactivate the export of log files
Network Export Path	Choose the network path to which you want to export



The user management section is accessed by clicking on the 'Admin' button in the upper left corner. This button is located on the left of the 'Log-out' button. The user administration window will allow the user to change their PIN, remove users and add new dentists.

? Help

Downloads

This section will allow the user to download documents such as, the 'Instructions For Use' as well as software updates.

FAQ

This area is dedicated to frequently asked questions. You can find the most frequently asked questions and their answers.

GC Digital Services Team

Where to find help/support?

First line of support

Using your **DSP** (Digital Services Platform).

- 1.) Contact your local GC Digital Services Team.
The contact details can be found on the bottom of the home page of your DSP.
- 2.) Create a support ticket (also found on the bottom of the DSP homepage)



Second line of support

- GC Digital Services Europe (Only English, Dutch and French)
Tel : +32 16 74 26 00
E-mail : digitalservices@gceurope.com