

Cloud4Dentists X-Ray and Scanner integration Twain App User Guide

Introduction

The C4DS Twain App has been built to interconnect 2D X-ray devices and scanners to **Cloud4Dentists** Practice Management System.

The **C4DS Twain App** works with all Twain compatible devices and scanners. Please contact your device vendor to check if your device or scanner supports Twain driver and to get the Twain driver installed.

Note: we currently support only 32 bit Twain drivers.

Prerequisites

Check with the vendor of your device and scanner is the device or scanner has a Twain driver and check if that is already installed in the practice.

If the Twain driver is not installed please obtain the driver and install the driver in the Windows machine where the software to take the 2D images is installed. Please check with the vendor before taking any action.

We currently support Twain drivers 32 bit only on Windows computers.

Important: Install the C4DS Agent by following the instructions here https://cloud4dentists.com/download/C4DS%20Agent.pdf

Download

Once the Twain driver is installed on the Windows machine please proceed to download the C4DS Twain App from the link below:

https://cloud4dentists.com/download/C4DSTwainSetup.msi

Once downloaded proceed with the installation.

Installation

Locate the file **C4DSTwainSetup.msi** that generally is downloaded under the Downloads folder.

Double click the file to start the installation (in case a security dialog prevents the installation press the **More info** link and the **Run anyway** button)

The following welcome dialog will appear:

🕼 C4DS Twain App		_		×
Welcome to the C4DS Twa	ain App Set	up Wizard		
The installer will guide you through th computer.	ie steps requirec	l to install C4DS Tv	wain App c	on your
WARNING: This computer program is treaties. Unauthorized duplication or or result in severe civil or criminal penal possible under the law.	distribution of this	s program, or any p	portion of i	t, may
	Cancel	< Back	Nex	t >

Click the button Next >

🕵 C4DS Twain App		-		×
License Agreement				
Please take a moment to read the l click "I Agree", then "Next". Otherw	~	now. If you accept t	he terms	below,
End-User License A	greement			^
This End-User License Agro between you (either as an LPYSoft Ltd. regarding you applications, including C4E associated documentatior TO ALL OF THE TERMS OF	individual or or r use of C4DS Ty DS Twain App fo n (the "Software	h behalf of an er wain App deskt r Mac and Wind "). IF YOU DO N	ntity) ar op dows ar IOT AGI	nd
◯ I Do Not Agree	 I Agree 			
	Cancel	< Back	Ne	xt >

Read the License Agreement and select I Agree if in agreement Click the button Next > if in agreement to continue the installation Or click the button Cancel if you do not agree with the License Agreement and you want to cancel the installation

🕼 C4DS Twain App			_		×
Select Installation Folder					5
The installer will install C4DS Twain	App to the followir	ng folder.			
To install in this folder, click "Next". T "Browse".	o install to a differ	ent folder, ent	ter it t	oelow or	click
Eolder:					
C:\Program Files (x86)\LPYSoft\C	4DS Twain App\			Browse.	
			[Disk Cos	t
Install C4DS Twain App for yourse	lf, or for anyone wl	no uses this c	ompu	ter:	
Everyone					
) Just me					
	Cancel	< Back		Nex	d >

Click the button Next >

🕼 C4DS Twain App		_		×
Confirm Installation				
The installer is ready to install C4DS	Twain App on yo	ur computer.		
Click "Next" to start the installation.				
	Cancel	< Back	Ne	xt >

Click the button **Next >**

In case the Windows User Account prompts to elevate the privilege of the installation please select **Yes** to continue the installation. The dialog in Windows 10 looks like:

User Account Control	×
Do you want to allow th unknown publisher to r device?	
cmd.exe	
Publisher: Unknown File origin: Hard drive on this co	omputer
Show more details	
Yes	No

Select Yes to continue the installation

The installation now will copy all the files... at the end the following dialog will appear

🕵 C4DS Twain App		-	
Installation Complete			
C4DS Twain App has been successf	ully installed.		
Click "Close" to exit.			
Please use Windows Update to chec	ck for any critical u	pdates to the .NET	Framework.
	Cancel	< Back	Close

Click the button Close

The installation is now successfully complete. Please refer to the How to use the application for the instructions to operate the application.

How to setup the application first time

Logon to Cloud4Dentists

Click on the Cart icon



Then select XRays / Scanners

Click on the check box

XRays / Scanners	XRays / Scanners
Imaging Software	☑ Take XRays from our App and upload them to Cloud 4 Dentists
Bookings	Check the box if you require to integrate your XRay with Cloud 4 Dentists. The XRay Agent will allow you to take XRays from your device via Twain protocol and upload the image straight into the customer history in Cloud 4 Dentists.
Texts	Follow the instructions below to install the Cloud 4 Dentists XRay Twain Agent on the computer where the XRay software is isntalled to link it with Cloud 4 Dentists
Finance	Windows Mac
APIs	1. Click on the check box and press the Save button Currently not supported 2. Downloade the Twain Agent (full instructions are here) 3. Once downloaded install the Twain Agent (full instructions are here)
	Save

Press Save button

Use the application integrated

Open Cloud 4 Dentists in a browser

Select a patient

Got to **History** by pressing the following button



Under History clock the Take X-Ray button



A new browser window will open

(You may be warned and to run the application you should confirm the warning)

e		Cloud4Dentists - Scan		_ 🗆 🗙
Dentists	Scan	Change Source Source:	TWAIN PSPIX generation-2	Close
	Patient: Luigi Pampaloni			
Scan				
Brightness				
Contrast				
Gamma				
Grade				
Save On Cloud				
Save As File				

On confirmation the following application will open

Make sure that in the source the name of the device is displayed correctly otherwise click the button **Change Source** to list all the sources and select the correct device.

Once the Source and the Patient are correct press the **Scan** button. You can close this dialog anytime by pressing the **Close** button.

Once pressed the **Scan** button the scanning software will start. Every vendor has a different scanning software and instructions are omitted in this manual.

NOTE: Refer to the vendor's device to operate the device or the scanner.

Once the scan is completed the image scanned is displayed on the first image in the list. The image is already uploaded in **Cloud4Dentists** under the patient history.

To add another scan, press the **Scan** button on the second image to take another scan. We allow up to 6 scans per session. In case you need to take more scans, close this dialog and select the patient again.



Note: If the scan could not be uploaded a red cross is visible next to the scanned image and requires to be uploaded manually.

Press Save On Cloud to save it straight into Cloud4Dentists.

To upload manually press the **Save on Local Disk** button to save the files locally then upload the images by using **Cloud4Dentists**. On **Cloud4Dentists** you need to search for the patient and go to the history of the patient. The files can be uploaded one by one by clicking on the add buttons or dragged into the grey area.

To close the dialog, press the button **Done**.

WARNING: in case the scan is not uploaded to **Cloud4Dentists** and the button **Close** has been pressed you can still access the file under C:\Temp\xrays.

To close the application and logout press the cross sign on the Patient Selection dialog.

Use the application stand alone

From the Windows Start Menu select C4DS Twain App

The login dialog will display:

0	Cloud4Dentists - Twain App	-	□ ×
Dentists	Login		
Username: Password:	email@mypractice.com		
		Login	
			v. 2.2.123

Enter a valid Username and Password

At first logon the PIN will be empty so enter the PIN generated above (At second logon the PIN will be pre-populated)

Click the button Login

To take a scan you need to select a patient first. There are two options:

The first is to search for a patient from the **Search tab**, type a name or a date of birth to search for the patient or * to list all the patients

Dentist	s Patient Selection		
Search	Checked-in		
Search	Mick		
	20/07/0010		
Micke	29/07/2018		
Micke	29/07/2018		
Micke	ey Mouse 29/07/2018		
Micke	L 29/07/2018		

Or click on the **Checked-In tab** to see the list of patients that are currently checked-in the practice. Please press the refresh button in case the patients are not displayed.

🚱 Cloud4Dentists - Twain App		-	×
Dentists	Patient Selection		
Search Checked-in			
Mickey Mouse			

Once selected the correct patient **double click** on the name of the patient to open the Scan dialog:

e		Cloud4Dentists - Scan		- • ×
Dentists	Scan	Change Source Source:	TWAIN PSPIX generation-2	Close
	Patient: Luigi Pampaloni			
Scan				
Brightness				
Contrast				
Gamma				
A X A 4				
Grade				
Save On Cloud				
Jave As File				

Make sure that in the source the name of the device is displayed correctly otherwise click the button **Change Source** to list all the sources and select the correct device.

Once the Source and the Patient are correct press the **Scan** button. You can close this dialog anytime by pressing the **Done** button.

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