

Setup Guide for CDR DICOM 5.4.x and higher.

 Install the REALCLOUD HD1 camera button software utility. The installer is located on the REALCLOUD HD1 flash drive in the Button Software folder. Or REALCLOUD Website <u>http://www.realcloudimaging.com/support/</u>

Scroll down the Support Page to the Downloads Section. Click the "Capture Button Software" button. This will start downloading the Button-Tray-Utility.zip , once downloaded open the zip file and Install the REALCLOUD HD1 camera button tray utility software.

2) Select the Next button on the Welcome screen.





3) Select the install destination folder and click on the Install button.

| 🛃 Button Tray Utility 2.1 Setup | | | | | | |
|--|---------------|--|--|--|--|--|
| Choose Install Location Choose the folder in which to install Button Tray Utility 2.1. | L | | | | | |
| Setup will install Button Tray Utility 2.1 in the following folder. To install in a different folder, dick Browse and select another folder. Click Install to start the installation. | | | | | | |
| Destination Folder C:\Program Files (x86)\Button Tray Utility B | <u>r</u> owse | | | | | |
| Space required: 39.6 MB Space available: 753.7 GB | | | | | | |
| Button Tray Utility 2.1.6919.19922 <u>Sack</u> Install | Cancel | | | | | |

4) Plug the REALCLOUD HD1 camera into the computer and click on the OK button to start the installation prosses.





5) Click on the Next button to continue.

| Button Tray Utility 2.1 Setup | | |
|--|----------------|--------------|
| Installation Complete Setup was completed successfully. | | G |
| Completed | | |
| Show <u>d</u> etails | | |
| | | |
| | | |
| Button Tray Utility 2,1,6919,19922 — | | |
| | < <u>B</u> ack | ext > Cancel |



6) Select a reboot option (if prompted) and click on the Finish button.

| Button Tray Utility 2.1 Setup | | | | | |
|-------------------------------|--|--|--|--|--|
| | Completing Button Tray Utility 2.1 Setup | | | | |
| | Your computer must be restarted in order to complete the installation of Button Tray Utility 2.1. Do you want to reboot now? | | | | |
| | Reboot now | | | | |
| 凤 | I want to manually reboot later | | | | |
| | | | | | |
| | < Back Finish Cancel | | | | |

7) Right click on the Button Tray Utility icon in your system tray and select Preferences.





- 8) Click In the first text box for Short Press Keys and press the "c" key one time on your keyboard.
- 9) Click In the second text box for Short Press Keys and press the "~" key one time on your keyboard, then click on the Done button.

| Preferences | × |
|-------------------|-----------------|
| Short Press Keys: | c ~ |
| Long Press Keys: | |
| Status | |
| Camera Registe | red |
| Camera Streamin | ng Button Click |
| [| Done |

Note: The Long Press Keys text box is left blank.

10) Open CDR DICOM application, go to System and select the CDR Options...

| 🥖 Test, One 1 | 1234 | | | | | | | |
|---------------|----------|---------|--------|-------|----------------------|-------------------|---|--------------------------|
| File Edit \ | /iew Xra | y/lmage | Series | Print | Syste | em | Window | Help |
| New exam | Open | Close | Mode | M | | Ser Set Def | nsor Info up Dentist I fine Notes S | nformation Short-Cuts |
| Patient In | formati | on | | Exa | | CD | R Options | |
| Last | Test | | | Date | | Dat | tabase Opti | ons |
| First | One | | | Des | X3C | Xra | v Settings | |
| ID: | ID: 1234 | | | | 藏 | Vid | eo Settinas | |
| | | | | | ⊌ π ≶ | Par | noramic Set | tings |
| | | | | | 4 | Sca | nner Settin | qs |
| | | | | | (ii) | Ce | phalometric | Settings |



| CDR Options | | × |
|-------------------------|------------------------------|---------------------|
| Print Configuration | Directories | Institution |
| General | Windows | Acquisition Modules |
| Installed Acquisition M | lodules | |
| Module | Modality 🖍 | × |
| WW Xray | Ю | LLA |
| 🔤 Video | XC | Add |
| 😎 Panoramic | PX | Remove |
| 📥 Scanner | OT 💉 | |
| < | > | |
| Hardware Info | Auto Take ☑ Start when Ap | oplication starts |
| | Flash Interval (se | c) 1 ~ |
| <u>P</u> roperties | Cole | or |
| | Go | Stop |
| | ОК | Cancel Help |

11) On the Acquisition Modules tab, Select Video and click on the Properties button.

12) Set the Video Capture Device to DirectX/USBCam and click on the OK button. If the DirectX/USBCam is not listed, download and install the "CDR USBCam4 Driver Setup" from Schickbysirona.com.

| Video Acquisition Control Properties | × |
|--|---|
| Video Camera | |
| Video Capture Device: DirectX/USBCam | |
| Camera | |
| Initial Mode: IntraOral V Use CDR-CAM Controls | |
| Camera Port: 320 Auto White Balance Turn Light Source On | |
| | |
| OK Cancel Apply He | p |



13) With a patient selected, click on the New Exam button, select any Video Series and click the OK button.

| | allent | | |
|--|--|---|---------------------|
| Last Name | Test | | Lance |
| First Name | One | | <u>L</u> ist |
| Patient ID | 1234 | | <u>H</u> elp |
| Select Series | | | |
| 🕕 💷 Intra-oral | Series | ^ | |
| Video Sei | ies | | |
| 🐻 FUL | L MOUTH VIDEO SERIES | | |
| | | | |
| 👸 ми | LTI SIZED VIDEO | | |
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| Exam Information | LTI SIZED VIDEO EO 4 SHOT c Series | • | <u>E</u> dit Series |
| Exam Information Date of Study | LTI SIZED VIDEO EO 4 SHOT c Series Study ID | | Edit Series |
| Exam Information Date of Study 5/14/2018 | LTI SIZED VIDEO EO 4 SHOT c Series Study ID | | Edit Series |

New exa



| 🍠 Test, On | e 1234 | | | | | | | | | | | _ | | × |
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| <u>F</u> ile <u>E</u> dit | <u>V</u> iew <u>X</u> ra | y/lmage | <u>S</u> eries <u>I</u> | <u>P</u> rint S <u>v</u> stem | <u>W</u> indo | w <u>H</u> elp | | | | | | | | |
| | | | | | - | Q | | | 4 | | | | . 🥐 | |
| New exam | Open | Close | Mode | Mail Pr | int Set | Zoom In | QuickZ | Zoom | Swap | Full Screer | n Tile Ima | ages | CDR H | elp 👳 |
| Patient Ir | nformatio | on | | Exam Info | rmatior | ı | | Image | Infor | mation | | | | |
| Last | Test | | | Date: | 5/14/20 | 18 1:19:04 P | М | Type: | L | Jpper Arch | | | | |
| First | One | | | Description | VIDEO 4 | SHOT | | Notes: | Γ | | | | | |
| ID: | 1234 | | | Comments | | | | Date | | | | | | |
| | | | 1 linner Ar | ch. | | 2 | nner Ar | g ch | 2.4 ₈ | | | | | |
| | | | 3 | and the second | | 4 | I | o sab | an ^o | | | | | |
| 5/14/2018 VIDEO 4 SHC | 5/14/20 BITEWI |)18 N | | | | | | | | | | | | ⊲ ⊳ |
| Ready | | | | | | | | | | | | | | |

14) Click on the image cell with the red boarder.

15) On the DirectShow Video Drivers dialog, select RCI 1080P HD and click on the OK button.

| DirectShow Video | Drivers | |
|----------------------|---------|----|
| – Select a Video Dri | ver | |
| RCI 1080P HD | | ~ |
| [| Cancel | ОК |



16) On the next four CDR Message dialogs, click on the OK button.



17) On the Video Capture dialog, click on the Setup button.





18) On the DirectShow Video Setup dialog, click on the Video Format button.

| DirectShow Video Setup | |
|--|-----------------------|
| Video Capture Driver Info RCI 1080P HD DirectX Version: 12.0 | |
| Use Preview <u>S</u> tream for display | <u>C</u> hange Driver |
| Video Settings | Image Optimization |
| Camera <u>P</u> roperties | Optimization Disabled |
| Video <u>F</u> ormat | |
| Display | |
| | ОК |

19) On the Properties dialog, set the Output Size to 640 x 480 and click on the OK button.

| Properties | × |
|----------------------------|----------------------|
| Stream Format | |
| Video Format | Compression |
| Video Standard: None | |
| Frame <u>R</u> ate: 30.000 | I Frame Interval: |
| Elip Horizontal: Snap Shot | P Frame Interval: |
| Color Space / Compression: | |
| MJPG \checkmark | |
| Output Size: | <u>Q</u> uality: |
| 640 x 480 V | |
| | |
| ОК | Cancel <u>A</u> pply |



20) On the DirectShow Video Setup dialog, click on the OK button.

| DirectShow Video Setup | |
|--|-----------------------|
| Video Capture Driver Info | |
| RCI 1080P HD DirectX Version: 12.0 | |
| Use Preview <u>S</u> tream for display | <u>C</u> hange Driver |
| Video Settings | Image Optimization |
| Camera <u>P</u> roperties | Optimization Disabled |
| Video <u>F</u> ormat | |
| Display | |
| | ОК |

21) Click the Close Exam button to finish the configuration settings.





22) With a patient selected, click on the New Exam button, select any Video Series and click the OK button to begin acquiring images.

| New Exam | | ? × |
|--|--|---------------------|
| Patient Information | ıt | <u>D</u> K |
| Last Name | Test | Cancel |
| First Name | One | List |
| Patient ID | 1234 | Help |
| Select Series | | |
| Intra-oral Series Video Series Wideo Series Video Series Wideo Series | S OUTH VIDEO SERIES SIZED VIDEO SHOT ries | <u>E</u> dit Series |
| Exam Information Date of Study 5/14/2018 | Study ID | Accession Number |
| | | |

23) A short/quick camera button press, and release will pause video and save an image from the REALCLOUD HD1 camera. When a video image is paused, a second short/quick camera button press, and release will return to the live video.

New