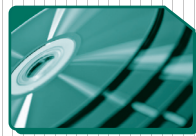
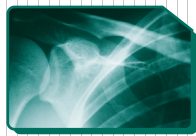




CLARiTY
ELEMENTS™
ADMINISTRATION TOOL



User Manual
VERSION 1.0

Innovative Medical Imaging



Foreword

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Clarity Elements Administration Tool Information

Please Enter the details of the Clarity Elements Administration Tool system here:

Serial Number: _____


Date Purchased: _____


Interface Type: USB 2.0


Safety Information

Read and understand the installation and operating instructions before starting the Clarity Elements Administration Tool.


Conventions

 **DANGER** A DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations.

 **WARNING** A WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION** A CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

 **Note** A NOTE indicates important information that helps you make better use of your Clarity Elements Administration Tool and Software.

 **Notice** A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

Malfunctioning Equipment

If any iCRco software product shows signs of malfunction, try restarting the computer; if the problem persists or is reproducible discontinue the use of the product immediately and contact Technical Support at 310-921-9559.

iCRco Warranty

iCRco , Inc. ("iCRco") values your business and always strives to provide high quality products and services. All iCRco products are provided with an initial warranty so the hardware and software are covered from the date of purchase. This limited warranty solely applies to new products manufactured by or for iCRco and originally purchased from iCRco or an authorized dealer of iCRco products for your own use. In addition, an extended warranty is available for most new and recently purchased iCRco products for an additional charge.

Hardware Limited Warranty

iCRco warrants its hardware products to be free of defects in materials and workmanship for a period of one (1) year from the date of original shipment from iCRco subject to the

limitations set forth herein. If a product proves to be defective in material or workmanship during the warranty period, iCRco will, at its sole option, repair or replace the product with a similar product. Repaired and replacement products may be or include refurbished or remanufactured parts. Any replacement item assumes the remaining warranty period of the original product. iCRco provides no warranty for any third party hardware or software included with any product or later acquired.

Software Limited Warranty/Support

iCRco warrants that its QPC XSCAN32, Captera, and/or ClarityPACS software originally provided with any product will substantially conform to iCRco's specifications and that the media, not including hard drives, on which the software is furnished will be free from defects in materials and workmanship under normal use for a period of one (1) year from the date of original shipment from iCRco . iCRco's sole obligation under this warranty is limited to making reasonable efforts to ensure such conformity and to supply the consumer with a corrected version of the software as soon as it is practical after the consumer has notified iCRco of any non conformity. iCRco does not warrant that the operation of any software will be uninterrupted, glitch or error free or that functions contained in the software will operate in the combinations which may be selected for use by the user or meet the user's requirements. This limited software warranty will be void if the software is modified without the written approval of iCRco or is used outside of the recommended parameters or equipment. iCRco does not provide any warranty or support for any other software.

iCRco agrees to provide one (1) year of telephonic and/or e-mail based support for QPC XSCAN32, Captera, and/or ClarityPACS software originally provided with any new iCRco product from the date of original shipment from iCRco . All software support shall be limited to making reasonable efforts to resolve iCRco software issues and shall be limited to iCRco's regular business hours. In addition, iCRco will provide revisions and upgrades to its software upon request (when available) during the first year after the software was originally shipped from the iCRco factory. The initial support period will include support via remote login software (GoToMeeting), only if the customer has access to the Internet from that PC and only if the customer agrees iCRco shall have no liability in connection with its support efforts. Remote login software allows iCRco technical support to remotely access the customer's PC via the Internet for the purposes of rendering technical support. Please note that this warranty, including software support, does not include computer hardware, third party software or operating system or network issues, which are outside the control of iCRco.

Warranty Product Technical Requirements

iCRco requires that all DR, CR, Scanner and/or products requiring PCs be fitted and installed with a 1500VA (1500W) uninterruptible power supply ("UPS"). iCRco recommends the APC 1000 specification UPS or equivalent. For warranty evaluation and service, iCRco

requires the customer to provide an Internet connection (DSL or Dial-up) or the minimum of a phone line accessible by an extension cord to the product enabling iCRco technicians to perform remote diagnostics on installed equipment. In addition, each iCRco product must be installed, maintained and operated in accordance with the respective product manual. Failure to comply with these requirements will result in a voided warranty claim.

Requesting Warranty Service

For information on obtaining warranty service, call iCRco's customer support at (310)921-9559. In order to evaluate a warranty service request, iCRco requires the following information: the iCRco serial number of the product, a detailed description of the problem, customer name and contact information; product location and operating conditions; a copy of the purchase documents, and sufficient information and authorization, including a liability release as to any loss of data (that should always be backed up), software or network injury, or downtime, allowing iCRco technicians remote access to the product. Product may not be returned to iCRco without first obtaining a Return Material Authorization ("RMA") number from iCRco . Prior to providing an RMA, iCRco may require remote access to the product. If iCRco determines that the product may be defective, is under warranty and necessitates a return to iCRco for service, an RMA number and instructions for return of the product will be given. iCRco is not responsible for any unauthorized returned product, i.e. one for which an RMA number has not been issued by iCRco .

Warranty service requires all authorized returns be shipped to the iCRco factory prepaid and insured. All such authorized returns are the customer's responsibility. For products sold and located within the United States, iCRco will pay for return shipping.

Products being returned are only to be shipped in iCRco approved shipping containers. The original box and packaging materials are approved and should be kept for moving and/or shipping the product. Approved packaging may also be purchased from iCRco for an additional charge. iCRco shall have no liability nor responsibility for warranty service to any product that is not shipped in an iCRco approved shipping container or that is damaged from incorrect packaging or damaged during shipping.

Additional Warranty Limitations and Extent of Warranty

This warranty does not apply if the product has been damaged by accident, misuse or abuse. In addition, warranty service does not include the repair of failures or defects caused by: unauthorized attachments to any iCRco product, unsuitable physical or operating environment, maintenance or repair by anyone other than iCRco or the iCRco authorized dealer that sold the product, operation of a product beyond its duty cycle, use of the product outside of its specifications, the use of supplies, parts, materials, software, or interfaces not furnished, authorized or recommended by iCRco . If the product, including any software has been opened, tampered with, modified or altered in any way without written authorization by iCRco , the warranty will no longer apply.

This warranty applies only to products manufactured by, or for, iCRco , and that can be identified by an “iCRco” serial number as originally affixed to the product. Any modification to the iCRco serial number tag or its attachment to the product shall immediately void the warranty.

This warranty is non-transferable and subsequent owners must contact iCRco to establish if the equipment is eligible for an extended warranty.

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Limitation of Remedies and Liability/Exclusion of Damages

The exclusive remedy for any defective product is limited to the repair or replacement of the defective product. iCRco shall have a reasonable time after determining that a defective product exists to repair or replace a defective product. iCRco’s entire liability for any product is limited to the actual purchase price for the product. This limitation applies even if iCRco cannot or does not repair or replace any defective product.

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Revision History

Revision	Author	Date	Notes
A	MS	2010-01-05	Initial Release

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1. Setup and Configuration

1.1 Local System Configuration

1.1.1 Minimum Workstation Configuration

Operating System: Windows XP Pro SP2c

Monitor & Video Card: Capable of 1024 x 768 or higher screen resolution.

Java: Version 6 Update 14

Network: Network access to the Clarity computer (This is a separate computer from the Workstation).

1.1.2 Domain Configuration

Note The User may access Clarity Elements Administration Tool using a domain name, but the network must be properly configured. Please contact your Network Administrator to obtain and configure a domain name for your Clarity system.

Any Workstations wishing to access the Clarity Elements Administration Tool via a domain name must be configured on the same Windows domain as the Clarity Elements Administration Tool. Domain misconfiguration may result in a non-functioning Clarity Elements Administration Tool.

1.1.3 Firewall Configuration

Workstations using the Clarity Elements Administration Tool need to have TCP ports 104 (DICOM), 8443 (Clarity launch page SSL port), and 11112 (Clarity Archive port) and UDP port 137 (data transfer) open in the Windows firewall and any third party hard and/or software firewalls running on the network.

1.2 Updates

When a new version of the Clarity Elements Administration Tool has been deployed to the Clarity server, the Clarity Elements Administration Tool software will automatically update itself from the Clarity server onto the Workstation on the next launch.

1.3 Launching the Clarity Elements Administration Tool

1.3.1 Initial Installation and Launch of Clarity Elements Administration Tool

1. Go to the *Start menu* → *Programs* → *Mozilla Firefox* to launch the Firefox web browser.
2. In Firefox's address bar, enter *https://IPADDRESS:8443/icrco-mgmt* where *IPADDRESS* is the IP address of the Clarity Elements Administration Tool. server.
3. Click the *Launch* link to start the Clarity Elements Administration Tool.
4. The dialog box *Opening launch.jnlp* will appear. Make sure the *Open with* radio dialog is selected and the drop-down box next to it says *Java Web Start Launcher*. Click **OK** to continue.

Note You will have to click **Yes** to trust Windows XP unsigned content.

5. The Clarity Elements Administration Tool will open.

Note This process will only need to occur once on each workstation. After the initial installation of the Clarity Elements Administration Tool, a shortcut will be placed on the desktop.

1.3.2 Quick Launch of the Clarity Elements Administration Tool

After the initial installation of the Clarity Elements Administration Tool, a shortcut to the application is placed on the User's desktop. To launch the Clarity Elements Administration Tool, simply double mouse click on the desktop shortcut.

Note If the desktop icon disappears, the User should clear the Java cache, as described in Section A.1, then reinstall the Clarity Elements Administration Tool, as described in Section 1.3.1.

2. AE Title Management

2.1 Adding an AE Title

1. Click the **AET Management** button. The *Saved Profile Names* dialog will pop-up.
2. Enter the Archive's AE Title in the **AE Title** text field, usually `clarityarchive` (case sensitive).
3. Enter the Archive's IP Address in the **IP Address** text field.
4. Enter the Archive's DICOM port number in the **Port Number** text field, usually port 11112.
5. Click the **Save as New Profile** button. The Clarity Elements Administration Tool will automatically check the validity of the AE Title. If the AE Title is valid, the *Save AET* dialog will pop-up.

Note If the AE Title is not valid, the User will see the message *Not a Valid AET* under the *Save as New Profile* button. Verify that all entered information is correct, then click the **Save as New Profile** button again. If the problem persists, contact your System Administrator.

6. Enter the desired profile name for the new AE Title in the **Profile Name** dialog box. Click **Ok** to save the AE Title.

2.2 Deleting an AE Title

1. Click the **AET Management** button. The *Saved Profile Names* dialog will pop-up.
2. Highlight the profile to be deleted in either the *Connected* or *Not Connected* list.
3. Click the **Delete a Profile** button to remove the highlighted profile. Click the **Yes** button to confirm the deletion.
4. The profile will be removed.

3. Forwarding Rule Management

3.1 Adding a Forwarding Rule

1. Select the desired destination AE Title from the **Destination AET** drop-down menu on the *Forward* tab.
2. Select any other desired criteria for the forwarding rule by placing a check in the desired box. Then define the criteria by selecting it from the appropriate drop-down menu or check box.

Note If no criteria for the forwarding rule is selected, the Clarity Elements Administration Tool will forward all received data to the destination AE Title.

3. Click the **New** button to save the selected criteria.

3.2 Editing a Forwarding Rule

1. Highlight the desired profile in the *Saved Forwarding Criteria* list. The defined criteria will be loaded.
2. Edit the desired criteria.
3. To save the edited criteria, click the **Edit** button. The edited criteria will be saved.

3.3 Deleting a Forwarding Rule

1. Highlight the desired profile in the *Saved Forwarding Criteria* list.
2. Click the **Delete Selected Criteria** button. The Forwarding Rule will be removed.

4. Back-up Rule Management

4.1 Adding a Back-up Rule

1. Highlight the desired back-up destination AE Title in the *AE Title* list on the *Back-up* tab.
2. Set a time for the back-up to occur by selecting the time from the *Back-up Time* drop-down menu.
3. Select which days to execute a back-up by checking the box next to the days.
4. Click the **Schedule** button to save the back-up rule.

4.2 Deleting a Back-up Rule

1. Highlight the desired back-up rule in the *Back-up Rules* list on the *Back-up* tab.
2. Click the **Remove Schedule** button. The back-up rule will be removed.

A. Appendix

A.1 Clearing the Java Cache

1. Go to *Start* → *Control Panel* → *Java*.
2. Locate the *Temporary Internet Files* section. Click the **Settings** button.
3. Click the **Delete Files** button.
4. Make sure *Applications and Applets* and *Trace and Log Files* are both checked, then click **Ok**.
5. Re-deploy the Clarity Elements Administration Tool by following the instructions in Section 1.3.1.