



2015

CR System Maintenance

Checklist and Guide

This document will provide detailed instructions on how to effectively and properly maintain and backup your system for prolonged lifespan and reduced down time.



Customer CR System Checklist

You will not be required to disassemble the X Ray Table, PC, Regius 110 Reader and Sigma Reader for maintenance in any way unless instructed to by one of our technical support representatives. Secondly, while performing this checklist if you require any assistance please speak with technical support 1-855-726-9995

1. Introduction

The purpose of this maintenance guide and checklist is to assure continued safe performance of the X ray generator, Table, PC workstations and Reader, to increase the lifespan, reduce down time and repairs and to assure personal safety. Following these checks and procedures along with the suggested intervals are the manufacturer's recommendation for the most effective periodic maintenance schedule.

1.1. General Cautions

BEFORE ATTEMPTING ANY MAINTENANCE OR CHECKING CONNECTIONS ENSURE THAT ALL DEVICES ARE POWERED OFF.

FOR CONTINUED SAFE USE OF THIS EQUIPMENT FOLLOW THE INSTRUCTIONS IN THIS MAINTENANCE GUIDE. STUDY THIS GUIDE CAREFULLY BEFORE ATTEMPTING ANY MAINTENANCE AND KEEP IT AT HAND FOR QUICK REFERENCE.

DO NOT REMOVE ANY COVER, DISASSEMBLE OR MANIPULATE INTERNAL COMPONENTS IN THE TABLE, PC OR READER, THESE ACTIONS COULD CAUSE SERIOUS PERSONAL INJURIES AND / OR EQUIPMENT DAMAGE.

2. Checking Power Supplies and Device Connections (Check monthly to make sure all connections are still seated properly and check first if system is not working properly)

Your system has multiple devices that are used together to give you X-ray images, determining if they are all receiving power and if their connections are seated properly is the first step in making sure that your system is running efficiently. If your system is not functioning properly checking the connections for each device will determine whether or not that device has failed or if there is simply a poor connection. Below you will find a list of each device with where the power supply is coming from and which device it is connected to.

2.1. Power Supply Connections

- 2.1.1. Monitor – Power is plugged into UPS below PC.
- 2.1.2. Computer – Plugged into UPS below PC.
- 2.1.3. UPS – Plugged into wall outlet.
- 2.1.4. Regius 110 Reader – Plugged into UPS or surge protector.
- 2.1.5. Sigma Reader – Plugged into UPS or wall outlet.
- 2.1.6. Power to the table comes from the Circuit Breaker on the wall, make sure it is in the on position and there is no damage to the cable that runs to the table.

2.2. Device Connections

- 2.2.1. Monitor – Cable should be screwed secure into monitor and to the back of pc via COMM1 connector.
- 2.2.2. Computer – Keyboard and Mouse are plugged in via USB, Ethernet cable (Blue cable) should be plugged into wall outlet for network connection.
- 2.2.3. Regius 110 Reader – Ethernet cable going to wall outlet for network connection.
- 2.2.4. Sigma Reader – USB cable going to back of PC.

3. General Cleaning (Weekly and Monthly)

3.1. PC and Monitor (Weekly)

Items you need to properly clean your system:

- Rags
- Microfiber cloth
- Vacuum (optional)
- Toothpicks
- Cotton swabs
- Distilled water
- Compressed air
- Anhydrous ethyl alcohol

To begin, **turn the computer and monitor off**, and unplug their cords from the wall sockets UPS. Moisten a rag with distilled water, and use the rag to wipe down the entire computer tower.

For additional cleaning, if you have a vacuum use it to suck dust out of the computer's vents. Unplug the keyboard from the computer. Use compressed air to dislodge dust under the keys, and then use a toothpick to pry grime out of the small seams between sections of the keyboard. Use a damp rag to wipe excess grime away before continuing. Clean between the keys using damp cotton swabs. You may need to add a little rubbing alcohol to the water in order to remove the darkest stains, but avoid the letters on the keys as much as possible. If this process brings more excess grime to the surface of the keys, remove it with a damp rag. Unplug the mouse from the computer. Use a toothpick to pry grime out of the plastic seams, and then clean away the excess with a damp rag.

Use a damp rag to clean dust on the plastic casing of your computer screen, but avoid the screen itself. To clean the screen, moisten a microfiber cloth with distilled water, then rub gently to remove dust and stains.

3.2. X-Ray Table (Weekly)

*****NEVER ATTEMPT TO CLEAN OR HANDLE ANY PART OF THE X-RAY TABLE WHEN IT IS TURNED ON. SWITCH OFF THE GENERATOR BEFORE CLEANING*****

Clean external covers and surfaces frequently, particularly if corroding chemicals are present and especially parts in contact with the animal, with a cloth moistened in warm water with mild soap solution. Rinse wipe with a cloth moistened in clean water. Do not use cleaners or solvents of any kind.

3.3. Regius 110 and Sigma

3.3.1. Cassettes (Weekly)

Your cassettes should be stored in a cool dry area out of direct sunlight. Keeping the surfaces area clean is essential in maintaining quality images. Use a dry cloth to wipe the surface area on both sides of the plate, and perform an erase cycle once a week will ensure continued and long lasting use of your cassettes. **DO NOT CLEAN THE INSIDE OF THE CASSETTES UNLESS OTHERWISE INSTRUCTED TO**



3.3.2. Reader (Weekly)

Performing weekly cleaning will keep the appearance of the reader looking great and dusting the cassette insertion slot will ensure that no dust or dirt will enter the reader when it is accepting a cassette. Clean the air intakes that are at the top of the Regius 110, and the sides for the Sigma. This will clear any blockages and ensure continued effective use.



3.3.3. Storing Cassettes

Regular cleaning of your cassettes is essential in maintaining optimal image quality, therefore storing them in an ideal environment is necessary. Keep the cassettes away from the X-ray table to avoid any scatter radiation (up to 6 feet), and store them in a dry location at room temperature.