



Installation Guide

DR Imager

Models DRD, DRO, DRP, DRV, DRM, DRC



SimonDR, Inc.
3515 Marmenco Ct.
Baltimore, MD 21230
410-636-5555

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Thank You

Thank you for your purchase of the SimonDR Imager. Please review the information in this manual carefully. We want you to be knowledgeable about the installation and safety procedures associated with the DR Imager.

Technical Assistance

If it is determined that your SimonDR product is in need of repair, you can return it to the SimonDR Service Department. Please call and request the RMA# (return merchandise number) before you return it.

If at any time you have questions about your SimonDR product, contact your SimonDR Dealer, who is familiar with your SimonDR equipment and any other brands that may be part of your system. If you or your Dealer need additional help concerning a suspected problem, you can receive technical assistance for all SimonDR products at:

SimonDR, Inc
3515 Marmenco Ct
Baltimore, MD 21230
410-636-5555
800-835-3852

Please take a moment to record this important information:

The serial number: _____

Purchase date: _____

SimonDR Dealer: _____

IMPORTANT SAFETY INSTRUCTIONS!

**PLEASE READ THESE INSTRUCTIONS BEFORE OPERATING THIS EQUIPMENT.
WARNING - TO REDUCE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**

NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



To prevent the risk of electric shock, do not remove cover or back. There are no user-serviceable parts inside. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the imager.

General

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Warning: To reduce risk of fire or electrical shock, do not expose this equipment to rain or moisture.

Caution



1. To prevent electrical shock use the specified outlet.
2. Unplug or turn off the switch to this equipment during lightning storms or when unused for long periods of time.



3. Only use attachments/accessories specified by the manufacturer.
4. Turn off all associated equipment before installing the imager (i.e. X-Ray System and server).
5. Do not block any ventilation openings (server). Install in accordance with the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heat registers, stoves, or other equipment.
7. Do not use this equipment near water.
8. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.
9. Due to the heavy weight of the imager, use only with the hand cart, hand truck, or _____ as directed by the manufacturer. Use caution when moving the cart/equipment combination to avoid injury from tip-over.
10. Connect this equipment only to the type of AC power source as marked on the unit (UL) or (CE).
11. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the equipment
12. Do not defeat the safety purpose of the polarized or grounding-type plug.

Care of Equipment

1. Clean only with a dry cloth.
2. Do not permit objects or liquids of any kind to be pushed, spilled and/or to fall into the equipment through enclosure openings.
3. Unplug/turn off the power cord from the AC power outlet when left unused for a long period of time.

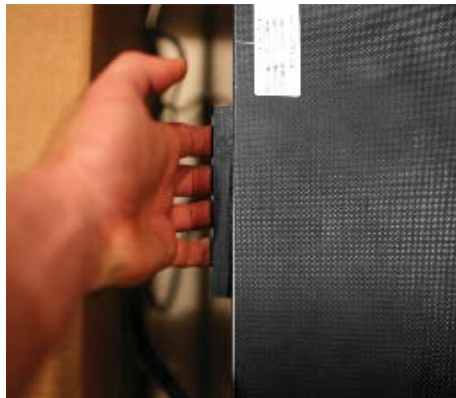
Repair of Equipment

1. Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the equipment, the equipment has been exposed to rain or moisture, does not operate normally, or has been dropped. Please call 410-636-5555.
2. Do not attempt to service beyond what is described in the operating instructions. All other service should be referred to qualified service personnel.
3. When replacement parts are required, be sure the service technician uses replacement parts specified by SimonDR or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
4. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

Unpacking the Imager



Remove the top packaging foam.



Lift the Imager from the box using the handles mounted on the sides as shown.

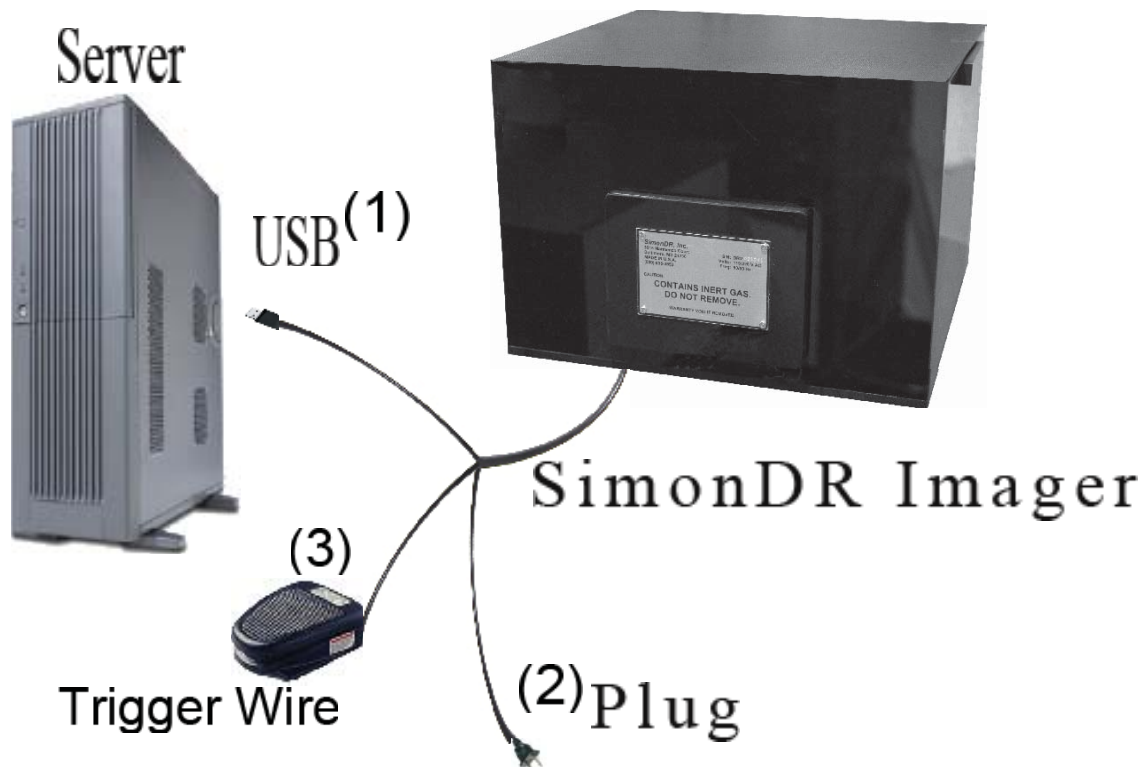


Place the Imager on the floor to avoid tipping.

Installation Instructions for the SimonDR Imager

The size and weight of the Imager requires special care in handling. Because the Imager can be used in a variety of X-Ray applications, it is very important that it is placed securely beneath the x-ray tube. Mounting brackets will be necessary to assure the Imager is stationary at all times. Once the Imager is secured by the mounting brackets it can be connected.

There are three cords leaving the imager. As shown below:



1) The USB Data feed, which is plugged into the USB port of the Server. (Up to 2-10' USB extension cords are allowable for this connection. If more are used, the data feed will diminish and the Imager will not function properly. (See Fig. 1 on pg. 8)

2) The Imager power cord, which is plugged into an on/off switched extension cord that is in turn plugged into a 120vac outlet. (See Fig. 2 on pg. 8)

3)The Trigger wire, which is wired to the x-ray systems, trigger; piggy-backing the Rotor connections. (Consult the installation manual for your x-ray machine to determine the location of the rotors' wiring.) (See Fig. 3 on pg. 8)

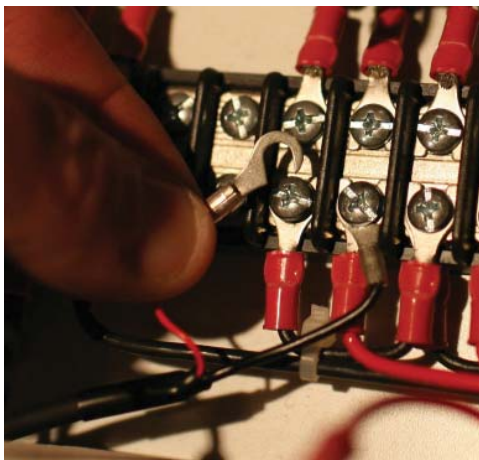
Now that your SimonDR Imager is properly wired, follow the instructions in the WhiteCap operations manual to begin using your new Imager.



Plug in to the USB port of the Server.
(Figure 1)



Insert plug into the on/off switch
extension cord (provided), that is in
turn, plugged into a 120vac outlet
(Figure 2)



Wire to the x-ray system's trigger,
piggy-backing rotor connections. (Consult
the installation manual for your x-ray
machine to determine the location of
the rotor's wiring.)
(Figure 3)

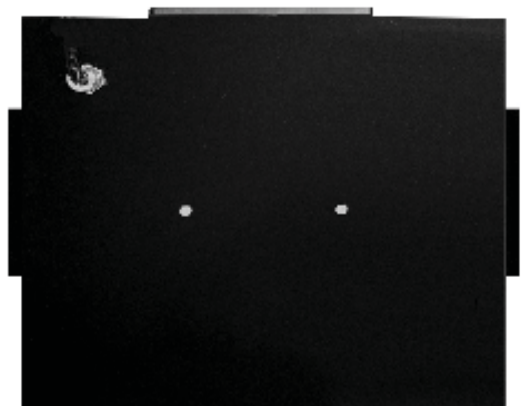
The DR Imager



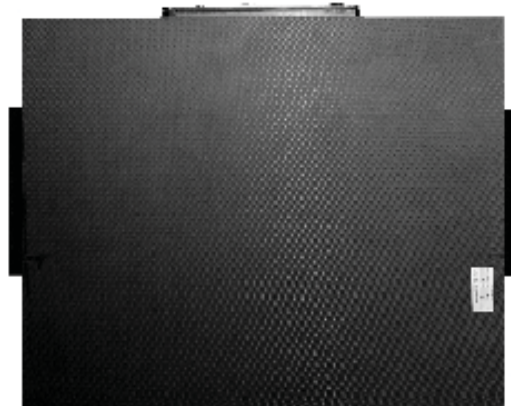
Back



Front



Bottom



Top



Side

Troubleshooting

Please try the following steps before contacting technical support:

Reset your Imager. Close WhiteCap and turn the imager off by using the “reset” switch. Wait 15 seconds. Turn the Imager back on. Click on the “Test Imager” button. Wait 10 seconds for the progress bar. If you see the progress bar then you will be able to take an image.

If your “Test Imager” is not available and the “Connect” button is not grayed-out, follow the above procedure exactly.

If after resetting the Imager a second time, and it still does not work, then the Imager may not have power. Test this by turning off the x-ray machine. Step on the trigger and listen for the Imager to make a click noise. It can be hard to hear this click, so make sure the room is quiet.

If you do not hear the click of the Imager, then check that the power cord is still plugged in. The imager power cord plugs into the white reset switch and then goes back to a small black transformer and then to the Imager in the bottom.

If you do hear the click sound then the USB cable connecting the Imager to the server is probably disconnected. Trace this all-the-way back to the Imager. If everything appears to be connected, move the USB cable to a different slot on the computer. Reset the Imager and then start WhiteCap and click on the “Test Imager” button.

If all above does not work please call technical support at 1800-835-3852 or 410-636-5555 ext. 130.

Specifications

Imager manufactured by SimonDR, Inc. in the U.S.A
Upgrade/custom your existing equipment or install new system.

Resolution:	3.1 Lp/mm (line pair per millimeter) real x ray resolution
CCD Sensor:	Large format, 13 mega pixels
Field of view:	12 inch x 17 inch
View image:	10 seconds
Compatible:	DICOM 3.0/PACS and other medical software technology
Power requirements:	110Volts, 50/60hz
Overall Dimensios:	DRV Imager: 15 inch (H) x 18 inch (D) x 20 inch (W)
Package of Imager:	19 inch (H) x 23 inch (D) x 25 inch (W)
Weight:	Gross weight: 68.5 lbs (31 kg) in shipping carton Net weight: 63 lbs (28.5 kg)

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