



# Guide to use FC-E21A as CXDI System Control Computer

Before using the instrument, be sure to read this guide thoroughly.  
Keep the guide where it is easily accessible.

## PLEASE NOTE

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1. When the Digital Radiography is connected to the instrument in a patient environment within a medical institution, the instrument will be a part of the medical system. Thus, the appropriate IEC601-1-1 harmonized national standard will be applied to it.
2. We suggest that a member of the user's staff be designated as being in charge of maintenance when the instrument is used as a part of the medical system so as to ensure that the product is kept in a safe and good condition.  
The medical instrument must be used only by a qualified person.
3. In no event will Canon be liable for direct or indirect consequential damage arising out of the use of this product. Canon will not be liable for loss of data (including images) due to any reason.
4. Roentgenography, image processing, reading of image, and storage of data using the application software must be performed in accordance with the law of the country where the product is being used.  
Also, the user is responsible for maintaining the privacy of image data.

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# 1. Overview

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The Digital Radiography can be controlled by starting up the application software “CXDI Control Software” which is installed in the instrument.

## 2. Notes for Using the Instrument

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- (1) Use the instrument only to control Canon Digital Radiography systems.
- (2) The floppy disk drive and CD-ROM drive on the front panel are for use only by service engineers during adjustment.  
Do not insert and use your own floppy disks or CD-ROMs on the instrument.  
This poses a risk of destruction or erasure of data on the hard disk.
- (3) Be sure to reconnect the cables to the proper connectors.  
Otherwise, the instrument may malfunction or may be damaged.
- (4) A sudden change of the power supply voltage due to the electric current being cut off, lightning, etc. may damage the instrument and/or destroy the data in it.  
Use of UPS (uninterrupted power supply) is recommended.
- (5) Never connect anything other than specified to the instrument, and do not change, delete, refer to or copy the program or internal data. Never install any other program onto the instrument.  
Otherwise, the instrument may malfunction, or may be damaged, or data may be destroyed.

### 3. Inspection and Maintenance

 <b>WARNING</b>	<p>The instrument must be repaired by a qualified engineer only. If it is not repaired properly, it may cause fire, electric shock, or accident.</p>
 <b>WARNING</b>	<p>Clean the plug of the power cable periodically by unplugging it from the AC outlet and removing dust or dirt from the plug, its periphery and AC outlet with a dry cloth. If the cable is kept plugged in for a long time in a dusty, humid or sooty place, dust around the plug will attract moisture, and this could cause insulation failure which could result in a fire.</p>
 <b>CAUTION</b>	<p>For safety reasons, be sure to inspect the instrument before using it. In addition, carry out a regular inspection at least once a year.</p>

#### 3.1 Inspection

In order to ensure that the instrument is used safely and normally, please be sure to inspect the instrument before use.


If any problems are found during the inspection, please take measures indicated in this chapter.

If problem still cannot be corrected, please contact Canon representative or distributor.

It is recommended that a record of the inspection be kept by making copies of the check lists in this section, or making a separate check list.

##### 3.1.1 Daily Inspection

Before Turning ON the Power

 <b>WARNING</b>	<p>For safety reasons, be sure to turn OFF the power of each instrument when the following inspections are going to be performed. Otherwise, it may result in electric shock.</p>
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	Inspection	Result			Remedy
		Date /	Date /	Date /	
<b>Cable</b>	Check that cable is not damaged or cover of cable is not torn.	Good/Bad	Good/Bad	Good/Bad	Contact Canon or distributor if there is any problem.
	Check that the plugs and locks of connectors are not loose.	Good/Bad	Good/Bad	Good/Bad	Fully insert the cables and lock them.

### 3. Inspection and Maintenance


	Inspection	Result			Remedy
		Date /	Date /	Date /	
Main Unit	Check that the cover or parts are not damaged and not loose.	Good/Bad	Good/Bad	Good/Bad	Contact Canon or distributor if there is any problem.
	Examine the dust filter through the front air vents to make sure it is not dirty.	Good/Bad	Good/Bad	Good/Bad	If the dust filter is quite dirty, request replacement of the filter.

#### After Tuning ON the Power

	Inspection	Result			Remedy
		Date /	Date /	Date /	
General	Check that there is no error message displayed.	Good/Bad	Good/Bad	Good/Bad	Take measures. See “Before Calling a Service Personnel” in the separate CXDI Control Software Operation Manual.
	Check that the computer clock date and time are correct.	Good/Bad	Good/Bad	Good/Bad	If they are not correct, correct them by referring to the CXDI Control Software Setup Guide.
					If the System Alarm lamp is lit, request replacement of the battery.
Check that the mirroring drive alarm lamp is not lit in red.	Good/Bad	Good/Bad	Good/Bad	If the lamp is lit in red, contact Canon or distributor.	

### 3.2 Cleaning

Clean the cover by the following procedure if it is dirty.

 <b>WARNING</b>	<p>When the instrument is going to be cleaned, be sure to turn OFF the power of each instrument, and unplug the power cable from the AC outlet.</p> <p>Never use alcohol, benzine, thinner or any other flammable cleaning agents. Otherwise, fire or electric shock may result, or the covering may be damaged.</p>
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- 1** Turn OFF the power.
- 2** Unplug the power cables.  
Unplug the power cables of each instrument from the AC outlet.
- 3** Clean the cover.

## 4. Service Information

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### (1) Regular Inspection and Maintenance

In order to ensure that the instrument is used safely and normally, please be sure to perform the regular inspection and maintenance periodically more than once a year. During the regular inspection/maintenance, the instrument safety, function and performance will be checked, and cleaning, adjustment and expendable parts replacement will be performed if necessary.

It is recommended to overhaul the instrument according to the result of the regular maintenance.

Please contact Canon representative or distributor for regular inspection and maintenance. Regular inspection and maintenance will be charged.

### (2) Repair

If a problem cannot be solved even after taking measures, contact Canon representative or distributor for repair.

In the case a malfunction has occurred during the course of normal use while the instrument is still under warranty, the instrument will be repaired free of charge.

After the warranty period has elapsed, the charge repairs are available if the instrument will maintain its performance when repaired.

### (3) Limit for Supplying Performance Parts for Repair

Performance parts (Parts required to maintain the functioning of the product) of this product will be stocked for eight years after discontinuance of production, to allow for repair.


### (4) Expendable Parts Replaced by Service Personnel

The following parts are apt to become worn out or to deteriorate due to the characteristics of the material or structure.

These parts cannot be replaced by the user.

If these parts are found to be worn out or to have deteriorated during daily or regular inspection, contact a Canon representative or distributor for repair.

- Battery (for date and data backup)
- Hard disk drive
- Floppy disk drive
- CD-ROM drive
- Dust Filter

 CAUTION	This instrument incorporates a lithium battery, which may pollute the environment if the instrument is abandoned. Please ask a professional waste disposal company to handle disposal, or contact a Canon representative or distributor before disposing of the instrument.
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# 5. Components

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Main Unit..... 1

Power cable ..... 1  
(For 110-120V Countries: 3 m, Non-shielded)  
(For 220-240V Countries: 2.5 m, Non-shielded)

Dust Filter ..... 1

Vertical Installation Stand..... 1

Rubber Spacer ..... 2





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