



Sit-Down Sketch Express™ Installation Guide

FANTASY
ENTERTAINMENT

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P/N: 48.000563 Revision 0
Date: October 2002

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Printed in the United States of America

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“Warning: Opening or making changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment and will void the warranty.”

The information in this document is subject to change without notice.

Foto Fantasy, Inc. (dba Fantasy Entertainment) was awarded US Patent #6,021,417 on February 1st, 2000 for a “method of simulating the creation of an artist drawing or painting, and the device accomplishing the same.” The European and Japanese Patent Applications (European Application #98305106.1, Japanese Application #10-227425) have been published and are pending.

Printing History

Part Number 48.000563 Revision 0

October 2002

Table of Contents

About This Guide	1
1 Introducing the Kiosk	3
1.1 Understanding Safety Issues	3
1.2 Gathering the Tools to Prepare the Kiosk	3
1.3 Estimating the Installation Time	4
1.4 Introducing the Kiosk Parts	4
1.4.1 Describing the Internal Components Specifications	6
1.5 Describing the Optional Parts	7
1.6 Verifying the Shipping Contents	7
1.7 Understanding the Kiosk Site Requirements	7
1.7.1 Dimensions and Space Requirements	7
1.7.2 Electrical Requirements	8
1.7.3 Environmental Requirements	8
1.7.4 Media Storage Requirements	9
2 Unpacking the Kiosk	11
2.1 Unpacking the Sit-Down Sketch Express™	11
2.2 Removing the Kiosk from the Pallet	11
2.3 Positioning the Kiosk for Operation	12
3 Preparing the Kiosk	13
3.1 Setting up the Monitor Mirror	13
3.2 Preparing the Kiosk Printer	14
3.2.1 Preparing the HP LaserJet 2100	14
3.2.1.1 Installing The HP1200 Toner Cartridge	14
3.2.1.2 Loading the HP1200 Printer Tray	16
3.2.2 Preparing the HP LaserJet 2100	17
3.2.2.1 Installing The Toner Cartridge on the HP2100 Printer	17
3.2.2.2 Loading the Printer Tray on the HP2100 Printer	18
3.3 Checking the Connections and Starting the Kiosk	20
3.4 Testing the Sit-Down Sketch Express™	21
A Declarations of Conformity	23
Index	-27
Send Us Your Comments	-29

About This Guide

This manual provides information to install and prepare the Sit-Down Sketch Express™ for operation.

Audience

This guide is intended for technical staff that has a basic understanding of electricity and computer skills to install and test the kiosk to sufficiently ensure a safe installation and operation of this unit.

How this Guide is Organized

This manual contains the following chapters:

- Introducing the Kiosk
- Unpacking the Kiosk
- Preparing the Kiosk
- Declarations of Conformity

Conventions Used

This manual uses the following conventions to convey information:

Buttons, Menu names, and options are in bold type. For example, Click the **Add** button.

Key combinations appear in uppercase with bold type. If joined with a plus sign (+), press and hold the first key while you press the remaining keys. For example, Press the **Ctrl+B** keys.

Commands and options that you type literally are printed in **bold**, for example, **ls -l**. Names of directories and files are also in **bold**, for example, **/config/SCRIPTS/build_device_file**.

Generic terms for which you are to substitute an actual name are printed in *italic* and are enclosed in less than (<) and greater than (>) symbols, for example **<file>**. When you see **<file>**, type the name of a file.



Indicates that the user should read the warning before continuing to service the kiosk.



Represents the presence of an electrical shock hazard and the user should disconnect the power before servicing the kiosk.



Indicates a suggestion or tip to make the task easier.

Chapter 1 Introducing the Kiosk

Welcome to the Fantasy Entertainment Sit-Down Sketch Express! The Sit-Down Sketch Express™ is a self-serve, walk-up kiosk that customers can use to make computer generated portraits. It is a fun-to-use product for all ages, especially children and teens. The system is enclosed in an arcade-style cabinet with a seat section that provides a consistent background for high-quality images. This section describes the following information:

- Understanding Safety Issues
- Gathering the Tools to Prepare the Kiosk
- Estimating the Installation Time
- Introducing the Kiosk Parts
- Describing the Internal Components Specifications
- Describing the Optional Parts
- Verifying the Shipping Contents
- Understanding the Kiosk Site Requirements

1.1 Understanding Safety Issues

Before Using this Product, Read the following Warnings:

- Never work on or install equipment when the kiosk is plugged into AC Power. Always disconnect the power cable before performing or maintaining the kiosk.
- Only technicians trained by or authorized by Fantasy Entertainment or its representatives should perform equipment installation, replacement, and maintenance.
- Mishandling this product could cause severe injury or death.
- Plug this equipment into a properly grounded receptacle, otherwise the user is subject to electrical shock.



Two people are required to unpack and move the kiosk.

1.2 Gathering the Tools to Prepare the Kiosk

The following tools are required to install the Sit-Down Sketch Express™ :

- Metric sockets
- Metric Allen wrenches
- Phillips and flathead screwdrivers
- Soft, lint-free cloth for cleaning

In addition, the following tools may also be useful:

- Metric wrenches
- Voltmeter
- Knife
- Flashlight
- Step Stool

1.3 Estimating the Installation Time

It takes approximately one hour to install the Sit-Down Sketch Express™ . This time can vary depending on the kiosk location.

1.4 Introducing the Kiosk Parts

The manufacturer ships the Sit-Down Sketch Express™ almost fully assembled and configured. Installation and setup requires a minimum effort to get the kiosk operating. The main internal parts of the Sit-Down Sketch Express™ are:

- Computer with keyboard
- Laser printer
- Digital video camera
- Currency acceptor (bill or coin)
- 19-inch monitor and 5-inch LCD monitor
- Power Distribution Box
- Control buttons
- Reflective mirror
- Vending lights
- Customer lights
- Audio (amplifier and speaker)

The main external parts of the Sit-Down Sketch Express™ are:

- Equipment enclosure
- Seat

Figure 1 on page 5 and Figure 2 on page 6 are examples of the basic parts that make up the Sit-Down Sketch Express™ .

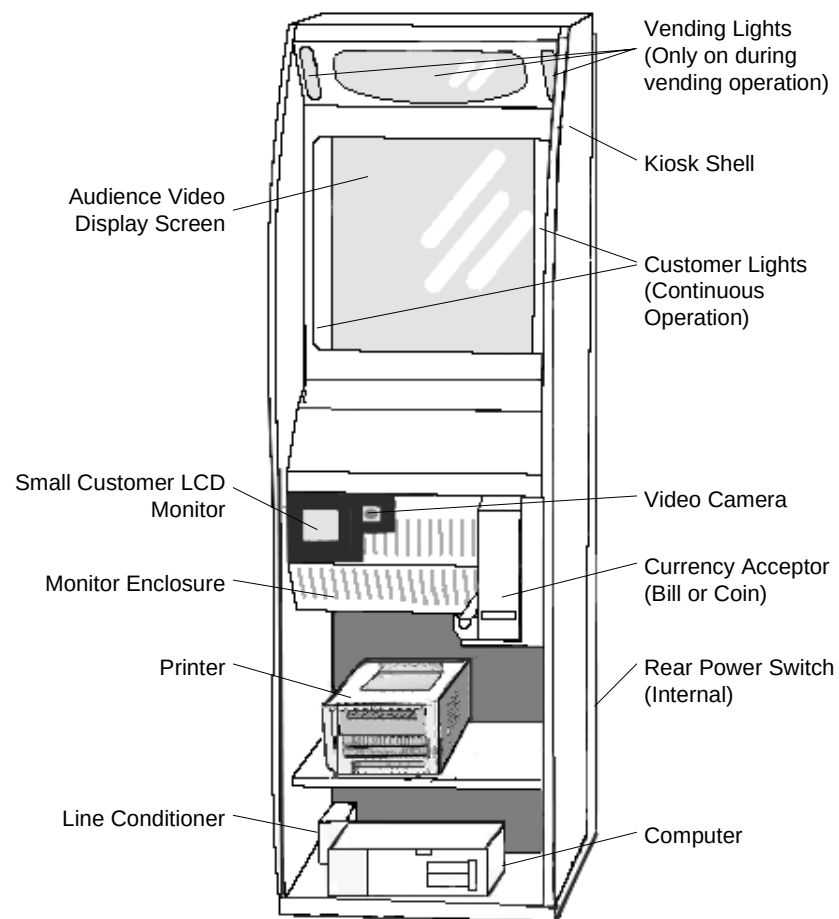


Figure 1. Sit-Down Sketch Express™ Without the Front Door Assembly

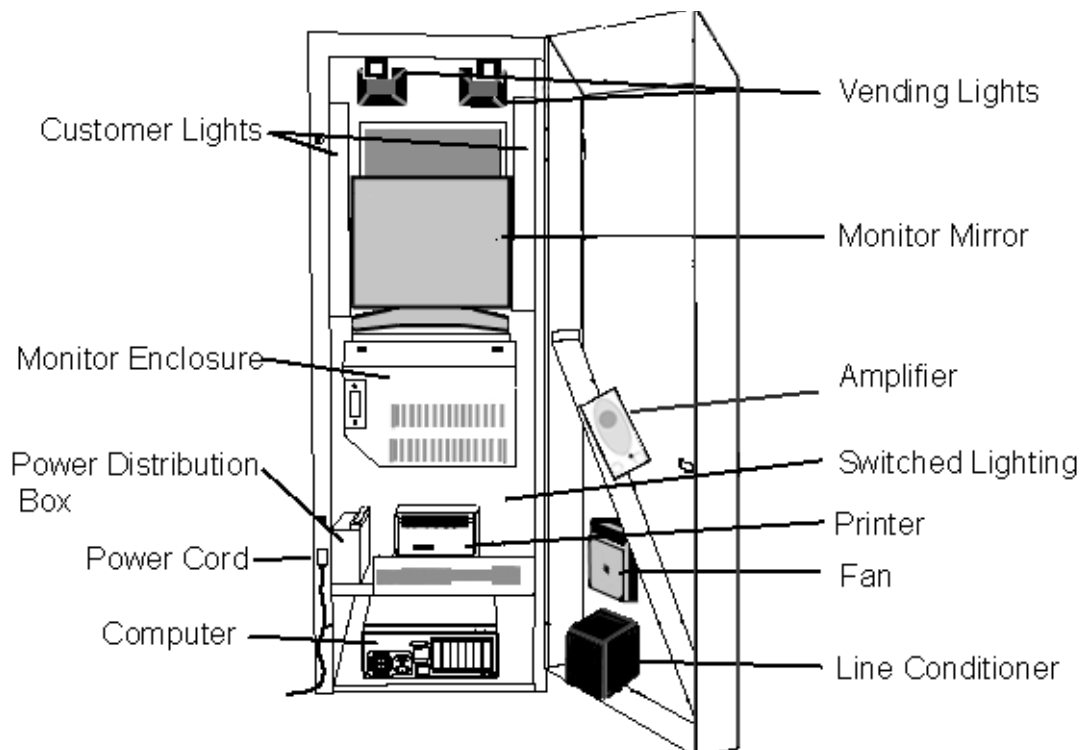


Figure 2. Sit-Down Sketch Express™ (Domestic) with the Rear Door Open

1.4.1 Describing the Internal Components Specifications

Table 1 Describes the internal components of the Sit-Down Sketch Express™ .

Table 1. 50.A44469 Sit-Down Sketch Express 120V and 50.A44496 Sit-Down Sketch Express 240V

Description	Specification
Printer	HP Laserjet 1200 or HP LaserJet 2200
Monitors	19" VGA Monitor and 6" LCD Monitor
Camera	Sony EVI-371
Computer	Computer with keyboard, hard drive, CD-ROM drive, floppy drive, UIB card, Video capture board, ESS Soundcard and PCI Video board.
Bill Acceptor	MARS VN series (Domestic) or GPT IDUS (International)
Coin Acceptor	NRI 6000 series

Table 1. 50.A44469 Sit-Down Sketch Express 120V and 50.A44496 Sit-Down Sketch Express 240V

Description	Specification
Line Conditioner	Tripp Lite LS600 (Domestic) or Tripp Lite LS601(International)
Lights	Customer Side Florescent Lights Florescent 8 watts, 18 inches Lamp Ballast Specifications Lamp 1x40 W 0.43 A Mains 120V 60HZ 0.79 A Vending Top Halogen Lights 100 watt 120 volt

1.5 Describing the Optional Parts

The following parts are optional for the Sit-Down Sketch Express™ :

- Bill or coin acceptor (with country specific currencies or tokens)

1.6 Verifying the Shipping Contents

The Sit-Down Sketch Express™ is shipped in one carton. After receiving your shipment, verify the following contents:

- Sit-Down Sketch Express™
- Keys for all locks (tie wrapped to the Optional Padlock Lever or the Power Cord)
- Ream of Sit-Down Sketch Express paper (next to the computer)
- Keyboard (next to printer)

1.7 Understanding the Kiosk Site Requirements

This section describes the Sit-Down Sketch Express™ Site Location Specifications.

1.7.1 Dimensions and Space Requirements

The Sit-Down Sketch Express requires ample space in order to attract customers and make customers feel comfortable using the kiosk. Table 2 lists the dimensions and space requirements for the Sit-Down Sketch Express.

Table 2. Dimensions and Space Requirements

Description	Specification
Height of Booth	75.75" (192.4 cm)
Width of Booth	25.5" (64.8 cm)

Table 2. Dimensions and Space Requirements

Description	Specification
Length of Booth	33.5" (90.2 cm)
Height of Seat	49" (124.5 cm)
Width of Seat	32.25" (81.9 cm)
Length of Seat	21" (53.3 cm)
Weight	200 kg (440 lb.)
Platform Dimensions	79" (200cm) Length x 30" (76.2 cm) Width x 1" (2.5 cm) Height

1.7.2 Electrical Requirements

The Sit-Down Sketch Express requires a minimum amount of consistent electrical power to work properly. Table 3 describes the power requirements.

Table 3. Electrical Requirements

Description	Domestic Specification	International Specification
Frequency	60 Hz	50 Hz
Current	15 A	15 A
Power Requirement	Single Phase (dedicated preferred)	Single Phase (dedicated preferred)
Voltage	Range 100-120 V AC	Range 215 - 240 V AC
Power Consumption	200 W maximum (kiosk draws three amps max)	200 W maximum (kiosk draws three amps max)



Avoid using other devices requiring significant power consumption on the same circuit as they may interrupt kiosk operation.

1.7.3 Environmental Requirements

The Sit-Down Sketch Express requires a consistent environment to function. Table 4 lists the environmental requirements.

Table 4. Environmental Requirements

Description	Specifications
Temperature	+ 4 - + 40 degrees C (+ 40 - + 104 degrees F)
Relative Humidity	20 - 80% without condensation

Table 4. Environmental Requirements

Description	Specifications
Operating Restrictions	For indoor use only. Temperature must be maintained within the specified range. The kiosk must not be exposed to excessive dust, humidity, or direct precipitation.
Ambient Light	< 1000 lux Locate the kiosk in an indoor area free of excessive ambient lighting (that is, windows, strong fluorescent, spotlights, intense or changing daylight conditions). Alternative modifications include turning off, removing, or redirecting strong room lights, or installing a shade on a window to block the sunlight.
Other	• Install on a flat, stable, hard, dry floor. • Water must not run or collect under the kiosk during any cleaning of the premises. • Avoid moving the kiosk over rough or uneven surfaces. Doing so could cause excessive risk of tipping or damage to the kiosk caster components. • Do not install near heating elements.

1.7.4 Media Storage Requirements

Table 5 lists the Storage requirements for the media (print paper and toner cartridges) used with the system.

Table 5. Media Storage Requirements

Description	Specification
Temperature	+5 - +25°C (+41 - +77°F)
Relative Humidity	20 - 80% without condensation
Restrictions	• Avoid storing near direct sunlight. • Do not use if damp or wet. • Do not expose paper to dust or fingerprints.

Chapter 2 Unpacking the Kiosk

Properly unpacking and installing helps make the kiosk more user friendly, accessible, and increase profits. This section describes the following steps:

- Unpacking the Sit-Down Sketch Express™
- Removing the Kiosk from the Pallet
- Positioning the Kiosk for Operation

2.1 Unpacking the Sit-Down Sketch Express™

If the kiosk is in a public location, it is best to remove the packing material before preparing the kiosk for operation. To unpack the kiosk, follow these steps:

1. Check that there is sufficient space to remove the kiosk from the pallet. The floor space should be at least twice the area occupied by the pallet and the ramp, approximately 6 feet by 10 feet.
2. Remove the shrink wrap.
3. Remove the cardboard wrap.
4. Remove the bubble wrap

2.2 Removing the Kiosk from the Pallet

To remove the kiosk from the pallet, follow these steps:

1. Remove the two wooden braces as located in Figure 1.



Figure 1. Sit-Down Sketch Express on Pallet



Two people must move this top-heavy equipment. When moving the kiosk, do not allow the kiosk to tilt off the caster wheels and roll freely. Keep all four wheels in contact with the ramp and floor. To prevent bending, the stabilizer feet must be raised as high as possible before moving the equipment. If it is impossible to rotate the feet, have another person tilt the equipment a little to lessen the weight on the feet. Use great care as you tilt the kiosk, it is heavy and on wheels.

2. Pull the kiosk off the pallet and slowly move the kiosk to its final location.

2.3 Positioning the Kiosk for Operation

Where you position your kiosk determines its success. Some things to take into consideration include the following:

- Is there access within 10 feet (3 meters) to a grounded power source?

Avoid using an extension cord. If you must, the extension cord must be grounded and at least 12 awg/3 conductor (3 millimeter/3 conductor) gauge and no longer than 10 feet (3 meters) long for the kiosk to work correctly.

- Is the power source on a dedicated 15 AMP circuit?



Check the voltage with a voltmeter or consult with an electrician. If the circuit does not provide a consistent power source, then the machine will fail to operate as expected.

- Is the kiosk indoors and away from the elements?
- Is the surface level and away from water sources?
- Is the kiosk away from direct sunlight? Too much light from above the kiosk or from light colored floors could affect the picture quality.
- Is the kiosk away from draining power sources such as escalators and elevators?
- Is the surrounding space safe for customer use?
- Is the kiosk close to a lot of walking traffic?

Chapter 3 Preparing the Kiosk

Now that the kiosk is unwrapped and in its final location, there are just a few things to finish the installation. This section describes the following steps:

- Setting up the Monitor Mirror
- Preparing the Kiosk Printer
- Checking the Connections and Starting the Kiosk
- Testing the Sit-Down Sketch Express™

3.1 Setting up the Monitor Mirror

To set up the monitor mirror, follow these steps:

1. Remove the mirror from the back of the kiosk and remove the bubble pack.
2. Using a dry, lint-free cloth, remove any dust or prints from the monitor screen and the mirror. Dampen the cloth with water only to remove dirt that you cannot remove using a dry cloth.



When working with the mirror, first cover the monitor screen with cardboard, or paper to avoid breaking the monitor or mirror.

3. Set the mirror in its working position, the middle position. Figure 1 shows the final position of the mirror.

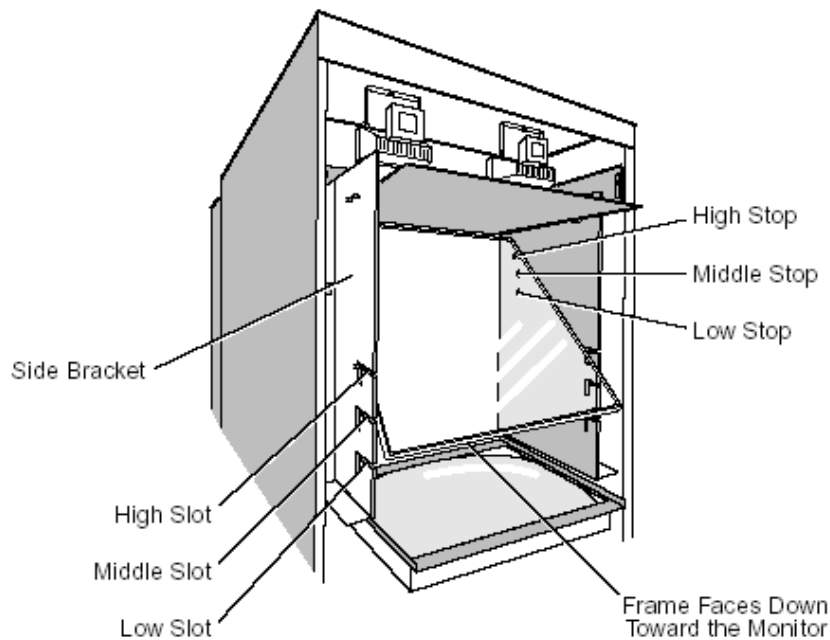


Figure 1. Final Mirror Position



Use caution to avoid injuring yourself on the door lock bar.

4. Using a dry, lint-free cloth, remove any dust or prints from the camera lens.

3.2 Preparing the Kiosk Printer

The Sit-Down Sketch Express could have the following printers:

- HP LaserJet 1200
- HP LaserJet 2100

Replacing the toner cartridge and adding paper is done from the back of the kiosk. Most of the machines come with the toner cartridge installed and a small quantity of paper loaded in the paper tray. For more information about installing the toner cartridge, see “Installing The HP1200 Toner Cartridge” on page 14. For more information about loading the paper tray, see “Loading the HP1200 Printer Tray” on page 16.

3.2.1 Preparing the HP LaserJet 2100

For more information about installing the toner cartridge, see Installing The HP1200 Toner Cartridge. For more information about loading the paper tray, see “Loading the HP1200 Printer Tray” on page 16.

3.2.1.1 Installing The HP1200 Toner Cartridge

To install or replace the toner cartridge, follow these steps:

1. Open the toner door and remove the old toner cartridge as shown in Figure 2.



Figure 2. Opening The Toner Door



There will be some resistance when the toner door is opened. This operation conveniently lifts the toner cartridge for removal.

2. Remove the new toner cartridge from the packaging and gently shake it from side to side to distribute the toner evenly inside the cartridge as shown in Figure 3.

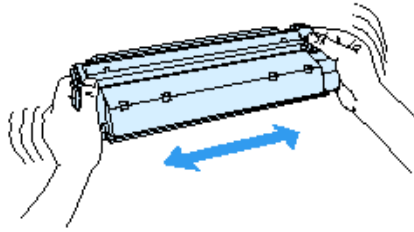


Figure 3. Shaking The Toner Cartridge Gently

3. Bend the tab on the right side of the cartridge to break it loose as shown in Figure 4.

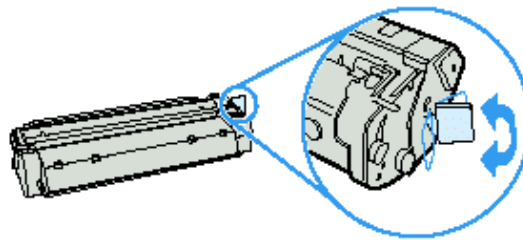


Figure 4. Bending And Breaking The Tab

4. Pull the tab until all the tape is removed from the cartridge as shown in Figure 5.

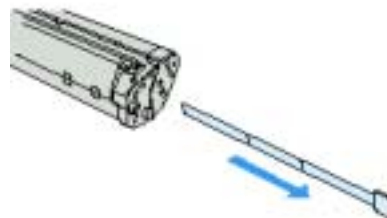


Figure 5. Pulling The Tab And Removing The Tape

5. Put the tab in the toner cartridge box, save the cartridge box to return the used cartridge for recycling.
6. Insert the new toner cartridge in the printer, making sure that the toner cartridge is in the correct position. Figure 6 shows where to insert the toner cartridge.

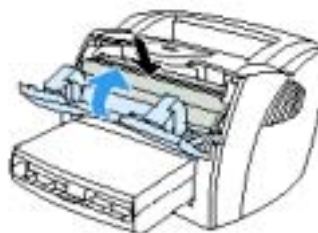


Figure 6. Inserting the Cartridge

7. Close the toner door.



Save the used toner cartridge and packaging for future shipping. For recycling information, see the instructions included in the cartridge package.



Hot water sets toner into fabric. If toner gets on any clothing, upholstery, or carpet, wipe it off with a dry cloth and wash with cold water.

3.2.1.2 Loading the HP1200 Printer Tray

To load the media tray with paper, follow these steps:

8. Remove the printer media tray as shown in Figure 7.

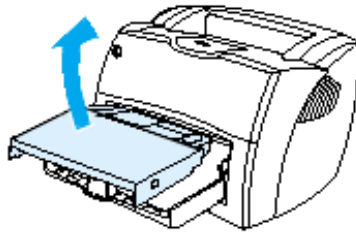


Figure 7. Removing the Media Tray

9. Slide the media guides out and back to accommodate the media as shown in Figure 8.

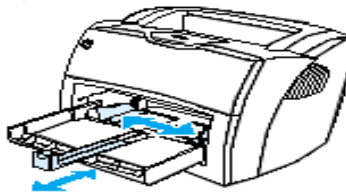


Figure 8. Slide Media Guides Out

10. Place the media into the media input tray.
11. Slide the side guides and front guide until the guides are flush with the media. Figure 9 shows the location of the media guides.

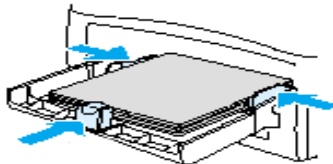


Figure 9. Closing the Media Guides



If you are using preprinted paper, the paper goes into the paper tray with the border facing up. You can load the paper without removing the Media Tray by pulling out the media guides, loading the paper, and readjusting the media guides.

12. Install the printer media tray as shown in Figure 10.



Figure 10. Printer Media Tray

3.2.2 Preparing the HP LaserJet 2100

For more information about installing the toner cartridge, see “Installing The Toner Cartridge on the HP2100 Printer” on page 17. For more information about loading the paper tray, see “Loading the Printer Tray on the HP2100 Printer” on page 18.

3.2.2.1 Installing The Toner Cartridge on the HP2100 Printer

To install the toner cartridge for the HP LaserJet 2100 printer, follow these steps:

1. Open the printer's top cover as shown in Figure 11.

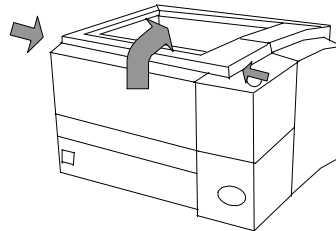


Figure 11. Opening The Printer's Top Cover

2. Remove the toner cartridge from its packaging. Rotate the cartridge as shown in Figure 12 and gently shake it from side to side to distribute the toner evenly inside the cartridge.

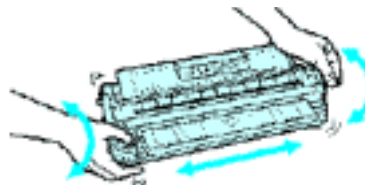
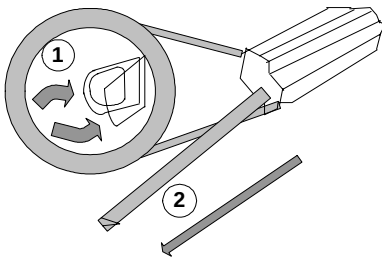


Figure 12. Rotating The Cartridge



To prevent damage to the toner cartridge, do not expose it to light for more than a few minutes.

3. Locate the sealing tape tab on the end of the cartridge. Carefully bend the tab back and forth until it separates from the cartridge. Firmly pull the tab straight out from the cartridge to remove the entire length of tape as shown in Figure 13. Avoid touching any black toner on the tape.



1. Separate tab from cartridge
2. Pull tab out and remove length of tape

Figure 13. Removing The Sealing Tape



If toner gets on clothing or hands, wipe it off with a dry cloth and wash clothing in cold water. (Hot water sets toner into fabric.)

3. Position the cartridge as shown, with the arrow pointing into the printer. Slide the cartridge into the printer as far as it will go as shown in Figure 14 and close the top cover.

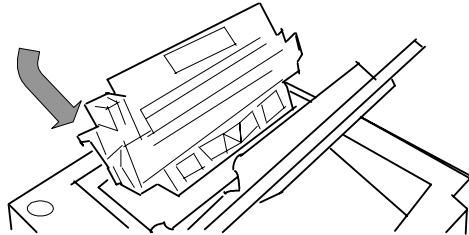


Figure 14. Sliding in the Cartridge

3.2.2.2 Loading the Printer Tray on the HP2100 Printer

To load the printer tray for the HP LaserJet 2100 printer, follow these steps:

1. Pull the tray out of the printer and remove any paper.



Figure 15. Open Printer Tray

2. Press on the blue tab on the rear paper length guide to adjust for the paper length.

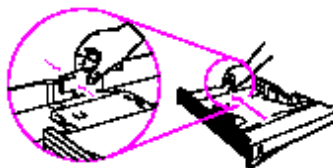


Figure 16. Press Blue Tab

3. Adjust the paper length guide so the pointer matches the paper size.

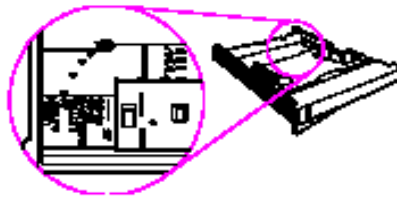


Figure 17. Adjust Paper Guides

4. Move the side width guides outward to match the paper size as shown in Figure 18.

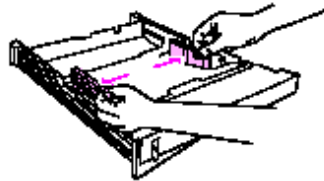


Figure 18. Moving the Side Width Guides

5. Push down on the metal lift plate to lock it in place as shown in Figure 19.

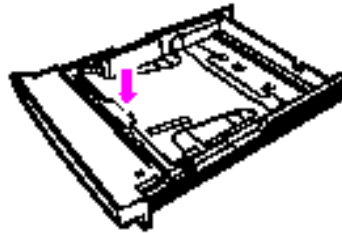


Figure 19. Lock in Metal Plate

6. Add the media and make sure it is flat in the tray at all four corners. Keep the media below the height tabs on the paper length guide in the rear of the tray as shown in Figure 20.

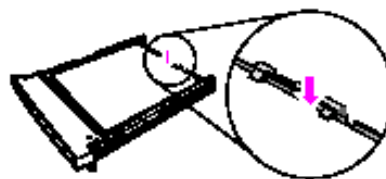


Figure 20. Adding media

7. Slide the tray back into the printer.



NOTE

Whenever removing a 250-sheet tray from the printer, always push down the metal paper lift plate before putting it back. The metal paper lift plate will release and lift the paper up when pushing the tray into the printer.

3.3 Checking the Connections and Starting the Kiosk

Now that everything is in place, connect the keyboard to the computer, check the cable connections, toggle all the power switches to the On position and you are ready to test the machine. To make these final checks and start the kiosk, follow these steps:

1. Open the keyboard box and remove the keyboard.
2. Plug the cable into the back of the computer as shown in figure.

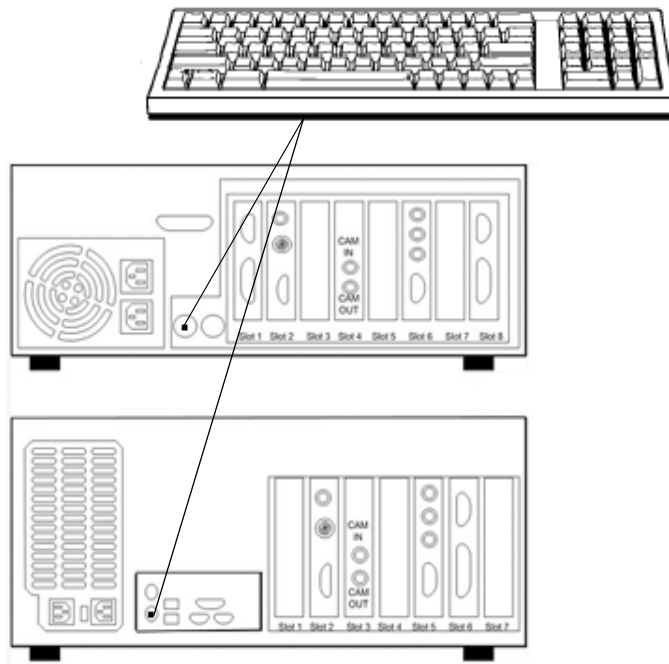


Figure 21. Computer and Keyboard Connections

3. Put the keyboard on top of the computer so that you can access the keyboard from the front of the machine.
4. Check and secure the power and signal cable connections to the printer, camera, monitor.
5. Check that the cable connections are secure on the back of the computer.
6. Verify the power switches for the printer, monitor, and computer are in the ON position.
7. Plug the kiosk AC power cord into a grounded power source.

8. Toggle the main power switch on the distribution box to the ON position. Figure 22 shows the Power Distribution Box.

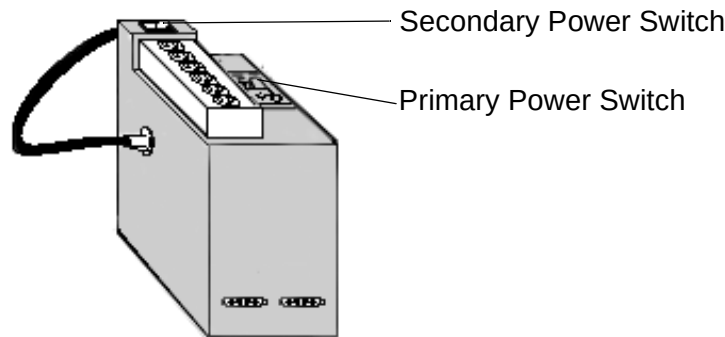


Figure 22. Power Distribution Box

9. Verify the power lights are on and functioning for the printer and computer, and kiosk.
10. Close and lock the rear and front doors. Store the keys in a safe location.
11. If necessary, request that the kiosk owner install the optional padlock.

3.4 Testing the Sit-Down Sketch Express™

Customer inserts the required amount of money into the cash acceptor. The Ad Rotation stops and starts the Sit-Down Sketch Express program. The program asks a series of questions and as the program progresses the questions vary depending upon the customer's answers to the questions. The following customer session is an example of many possible scenarios:

1. Program welcomes customer and asks a series of questions before beginning the portrait.
2. Do you want a Portrait or Caricature?
3. Customer presses SELECT button for Portrait.
4. How many people are in the portrait?
5. Customer presses the SELECT button to select one person.
6. Program tells the customer how to position the image and guides the customer through each of the two poses and countdowns.
7. Customer positions their face and waits for the countdown.
8. Program tells to customer how to select their favorite pose.
9. Customer presses the SELECT button to highlight the different poses and then presses the OK button to confirm the selection.
10. Program renders the customer's Portrait.
11. Customer presses the SELECT button to highlight the different poses and then presses the OK button to confirm the selection.
12. Program describes the additional choices and costs.
13. Customer chooses current selection or selects other options and adds the additional money, if required.

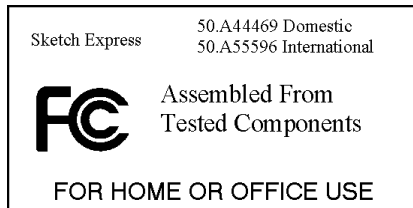
14. Program prints the portrait selection and thanks the customer.

Appendix A Declarations of Conformity

This appendix provides the declarations of conformity for the Sit-Down Sketch Express™

Manufacturers Federal Communication Commission Declaration of Conformity Statement

FCC (United States)



The computer equipment described in this manual generates and uses radio frequency (RF) energy. If the equipment is not installed and operated in strict accordance with the manufacturer's instructions, interference to radio and television reception may result.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Part 15, Class B, of the FCC Rules, is designed to provide reasonable protection against radio and television interference in a residential installation. Although the equipment has been tested and found to comply with the allowed RF emission limits, as specified in the above cited Rules, there is no guarantee that interference will not occur in a particular installation. Interference can be determined by turning the equipment off and on while monitoring radio or television reception. The user may be able to eliminate any interference by implementing one or more of the following measures:

- Reorient the affected device and/or its receiving antenna.
- Increase the distance between the affected device and the computer equipment.
- Plug the computer and its peripherals into a different branch circuit from that used by the affected device.
- If necessary, consult an experienced radio/television technician for additional suggestions.

NOTE: Changes or modifications to the electronics or enclosure of this product must be expressly approved by Fantasy Entertainment; otherwise, the user's authority to operate this product may be voided by the FCC.

CE (European Community)

The Sit-Down Sketch Express™ conforms to the following European Directive(s) and Standard(s):
Application of Council Directives: 73/23/EEC, 89/336/EEC. Standards to which Conformity is declared:

EMC Emissions:

- EN 55022:1998 Class A ITE emissions requirements (EU)\
- EN61000-3-2:1995/A14:2000 Limits for harmonic emissions (equipment input current up to and including 16A per phase)
- EN61000-3-3:1995 Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to and including 16 A

EMC Immunity:

- EN 55024:1998 Information technology equipment - immunity characteristics

EN 55022 Class A Warning Requirements:

EN 55022 does not restrict the marketing of Class A information technology equipment, but does require it to include the following warning in instructions for use.

Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Department of Communications-Canada

Canadian Compliance Statement

This Class B Digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte les exigences du Règlement sur le matériel brouilleur du Canada.

This device complies with Class B Limits of Industry Canada. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Sit-Down Sketch Express™ Installation Guide

You can obtain information related to the Declaration of Conformity related to this product by contacting the Manufacturer:

Fantasy Entertainment

8 Commercial Street

Hudson, NH 03051-9984

Tel. 603-324-3240

Fax 603-879-9200

www.fantasyent.com

Index

A

AC power cord 20

B

back door
 locking 21
bill acceptor
 specifications 6

C

cable connections 20
camera
 specifications 6
cleaning
 monitor mirror 13
coin acceptor
 specifications 6
connections
 cable 20
currency acceptor
 specifications 6

D

dimensions
 specifications 7

E

electrical
 specifications 8
environmental
 specifications 8
extension cord 12

F

front door
 locking 21

H

HP2200 14, 17
 loading paper 18
 toner cartridge 17

K

kiosk
 lights 21
 parts 21
 positioning 12
 testing 21
 unpacking 11

L

lights
 kiosk 21
 specifications 7
locking
 back door 21
 front door 21

M

media storage
 specifications 9
mirror
 cleaning 13
 positioning 13
monitor
 cleaning 13
 specifications 6

P

parts 4
 optional 7
PC
 specifications 6
positioning 12
 kiosk 12
 mirror 13
preparing
 printer 14
printer
 loading paper 16, 17, 18
 media storage 9
 preparing 14
 printer tray 16, 17, 18
 specifications 6
 toner cartridge 14, 17

S

safety 3
specifications
 bill acceptor 6
 camera 6
 coin acceptor 6
 currency acceptor 6
 dimensions and space 7
 electrical 8
 environmental 8
 lights 7
 media storage 9
 monitor 6
 PC 6
 printer 6

T

Technical Services 30
testing
 kiosk 21
toner cartridge 14, 17
tools 3

U

unpacking
 kiosk 11

W

warnings 3

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- FAX - 603-879-9200 Attention: Technical Publications
- Postal Service

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8 Commercial Street
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