

# **Printer Controller EB-135**

**Start Guide** 

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- 2 Using the EB-135

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## **FCC Warning**

### Note to users in the United States of America

#### Note:

This equipment has been tested and found to comply with the limits for a Class A digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

#### Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Note to users in Canada

#### Note:

This Class A digital apparatus complies with Canadian ICES-003.

## Remarque concernant les utilisateurs au Canada

### **Avertissement:**

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

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### Warning:

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

## **Safety Information**

Read this Safety Information carefully before you use this product and keep it handy for future reference.

When using this machine, the following safety precautions should always be followed.

## **Safety During Operation**

In this manual, the following important symbols are used:

#### **↑ WARNING:**

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

### **A CAUTION:**

Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

### **⚠ WARNING:**

- Connect the power cord directly into a wall outlet and never use an extension cord.
- Disconnect the power plug (by pulling the plug, not the cable) if the power cable or plug becomes frayed or otherwise damaged.
- To avoid hazardous electric shock, do not remove any covers or screws other than those specified in this manual.
- Turn off the power and disconnect the power plug (by pulling the plug, not the cable) if any of the following occurs:
  - You spill something into the machine.
  - You suspect that your machine needs service or repair.
  - The external housing of your machine has been damaged.

#### **A CAUTION:**

- Protect the machine from dampness or wet weather, such as rain and snow.
- Unplug the power cord from the wall outlet before you move the machine.
- While moving the machine, you should take care that the power cord will not be damaged under the machine.
- When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

## **Power Cord Precautions**

To reduce the risk of electric shock or damage to the equipment:

- Use the appropriate power cord which was set up by your manufacturer's authorized service provider.
- Do not place objects on AC power cords or cables. Arrange them so that no one may accidentally step on or trip over them.
- Do not pull on a cord or cable. When unplugging from the electrical outlet, grasp the cord by the plug.
- Do not disable the power cord grounding plug. The grounding plug is an important safety feature.
- Plug the power cord into a grounded (earthed) electrical outlet that is easily accessible at all times.

## **Power Supply**

The socket-outlet shall be installed near the product and shall be easily accessible.

### **MARNING:**

• This product relies on the buildings installation for short circuit (overcurrent) protection. Ensure that a fuse or circuit breaker no larger than 120VAC, 15A U.S. (240VAC, 10A international) is used on the phase conductors (all current-carrying conductors).

# 1. Getting Started

Please read this document before installing or using the Printer Controller EB-135.



☐ Ricoh supplied and is responsible for all the material provided in this document. If you have questions regarding the material contained in this document, please contact Ricoh Corporation.

## **Checking the Contents**

### For the Site Administrator

- Media Package
  - 4 CDs (Utilities CD, PS Printer Driver CD, PCL Printer Drivers and Utilities CD, Document CD)
  - Welcome
  - Release Note
  - This document (Start Guide)
  - PCL Printer Driver User Software License Agreement
  - Ferrite Core
  - Ferrite Core Installation Guide

## For the Service Technician

- Printer Controller EB-135
- Copier Interface board
- Copier Interface cable
- fierydriven logo decal
- AC power cable
- Key Top (Common, North America and Europe)





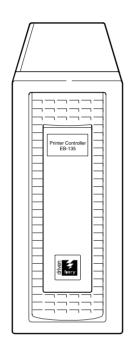


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• Installation Procedure

## **Guide to Components**

#### Front Panel



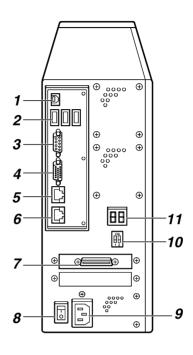
1. Not used (USB-Type B port)

## 2. USB ports Type A

(for installing system software, activating Fiery features, or printing from a prepared USB flash drive)

- 3. Not used (Serial port)
- 4. Not used (Monitor port)
- 5. Network connector 10/100/1000Mbps

#### **Back Panel**



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- 6. Not used (network connector 10/ 100Mbps)
- 7. Copier interface connector
- 8. Power switch
- **9.** Power connector
- **10.** Service switches (for service use only)
- 11. LEDs (2-digit diagnostic display)

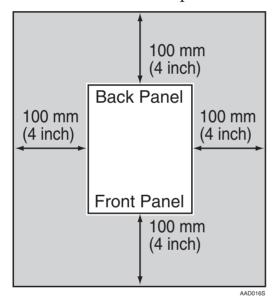
## Where to Put the EB-135

## Caution

- Insert firmly the plug in the outlet.
- Avoid using an outlet extension plug or cord.
- Ground the EB-135. Avoid using a 3-prong adapter in a 2-hole ungrounded outlet.
- Do not put anything on the power cord.

## **Space Required for Installation**

Place the EB-135 near the power source, providing clearance as shown.



## **Dimensions and Weight**

• EB-135 weight: 5.8 Kg (12.5 lb.)

• EB-135 dimensions:

Length: 344.5 mm (13.6 in) Height: 294.6 mm (11.6 in) Width: 124.3 mm (4.9 in)

## **Environment**

<b>Environmental specifications</b>	Operating
Ambient temperature	5 °C to 40°C (41 °F to 104 °F)
Relative Humidity	10% to 90% (non condensing)
Altitude	3048 m (10,000 FT)

## When Moving the EB-135

#### **A CAUTION:**

Unplug the power cord from the wall outlet before you move the machine.
While moving the machine, you should take care that the power cord will not be damaged under the machine.

### **#Important**

- ☐ When moving the machine, the following precautions should always be followed:
  - Turn off the main power. See p.9 "To Shut Down the Main Unit and the EB-135" or p.9 "To Shut Down the EB-135 only".
  - Unplug the power cord from the wall outlet. When doing this, grip the plug so as not to stress the cord, reducing the risk of fire or electric shock.
- ☐ Move the machine carefully. If you do not, the machine might be damaged or data lost.
- ☐ Protect the machine from impact. Shock could damage the hard disk and result in data loss.

# 2. Using the EB-135

## EB-135 Startup, Shutdown and Reboot

The main unit and the EB-135 have separate power switches. During normal operation, turning on the EB-135 is recommended. Powering off the main unit shuts down the EB-135 properly. Powering on the main unit will start the EB-135 properly.

### To Start the Main Unit and the EB-135

- **1** Power the main unit on.
- **2** Power the EB-135 on.
  - Note
  - □ Always turn the main unit on first. If the main unit is off (or disconnected from the EB-135), the EB-135 will start but will shut down automatically before it reaches Idle. This feature protects the EB-135 from improper shut down.

### To Shut Down the Main Unit and the EB-135

- 1 Make sure the main unit On indicator is off. If not, press the operation switch and wait until the On indicator is off.
- **2** Power the main unit off.
  - Note
  - ☐ Do not turn the main unit off when the On indicator is on or blinking. Doing so could cause system problems such as hard disk drive or memory problems.
- **3** Wait for the EB-135 diagnostic LEDs to power off.
- 4 Power off using the EB-135 power switch.

## To Shut Down the EB-135 only

- Press the [fierydriven] key on the main unit control panel to access to the Fiery menu screen.
- **2** Press [Main Menu/Cancel] to access to the menu list.
- **3** Scroll through the list, and press [Shut Down].
- Press [Shut Down System].

- **5** Wait for the diagnostic LEDs on the EB-135 to power off.
- **6** Power off using the EB-135 power switch.

The Fiery will remain OFF even when the main unit is powered on or power cycled.

### To Reboot the EB-135

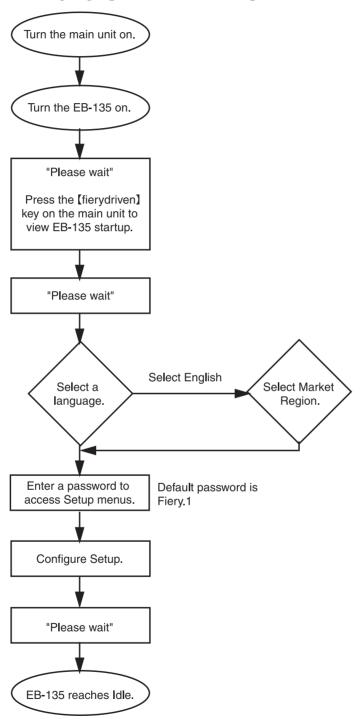
- 1 Press the [fierydriven] key on the main unit control panel to access to the Fiery menu screen.
- **2** Press [Main Menu/Cancel] to access to the menu list.
- **3** Scroll through the list, and press [Shut Down].
- Press [Reboot System].
- **5** Wait for the EB-135 to reach Idle.

### Note

☐ Do not reboot the EB-135 by powering the main unit off and on. Recycling power to the main unit does not reboot the EB-135 properly.

## **Power Up Sequence**

The following sequence describes the EB-135 initial configuration. If system software is reinstalled, language, password, and Setup will need to be reconfigurated.



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