

[Manuals.plus](#) /

> [Corsair](#) /

> CORSAIR HXi Series HX850i Digital Power Supply User Manual

**Corsair CP-9020073-NA**

# CORSAIR HXi Series HX850i Digital Power Supply User Manual

Model: HX850i (CP-9020073-NA)

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your CORSAIR HXi Series HX850i Digital Power Supply. The HX850i is an 850 Watt, 80 PLUS Platinum certified, fully modular power supply designed for high-performance PCs, offering extremely tight voltage control, virtually silent operation, and comprehensive monitoring capabilities via Corsair Link Digital.



Figure 1.1: CORSAIR HXi Series HX850i Digital Power Supply, front view.

## 2. PACKAGE CONTENTS

---

Verify that all components are present in your package:

- CORSAIR HXi Series HX850i Power Supply Unit
- Modular Cable Set (various types for motherboard, CPU, PCIe, SATA, Peripherals)
- AC Power Cord
- Mounting Screws
- Cable Ties
- User Manual (this document)



Figure 2.1: HX850i Power Supply Unit and included modular cables.

## 3. SETUP AND INSTALLATION

---

The HX850i features a fully modular design, allowing you to connect only the cables necessary for your system, which helps reduce cable clutter and improve airflow.

### 3.1 Physical Installation

1. Ensure your computer system is powered off and disconnected from the main power outlet.
2. Mount the HX850i power supply into your PC case using the provided mounting screws. Ensure the fan is oriented correctly for optimal airflow (typically facing downwards if your case has a bottom vent, or upwards if not).
3. Connect the 24-pin ATX cable to the corresponding port on the power supply and your motherboard.
4. Connect the 4+4 pin CPU (EPS) cable(s) to the power supply and your motherboard.
5. Connect the 6+2 pin PCIe cables to the power supply and your graphics card(s) as required.
6. Connect SATA and Peripheral cables for your storage drives and other components.

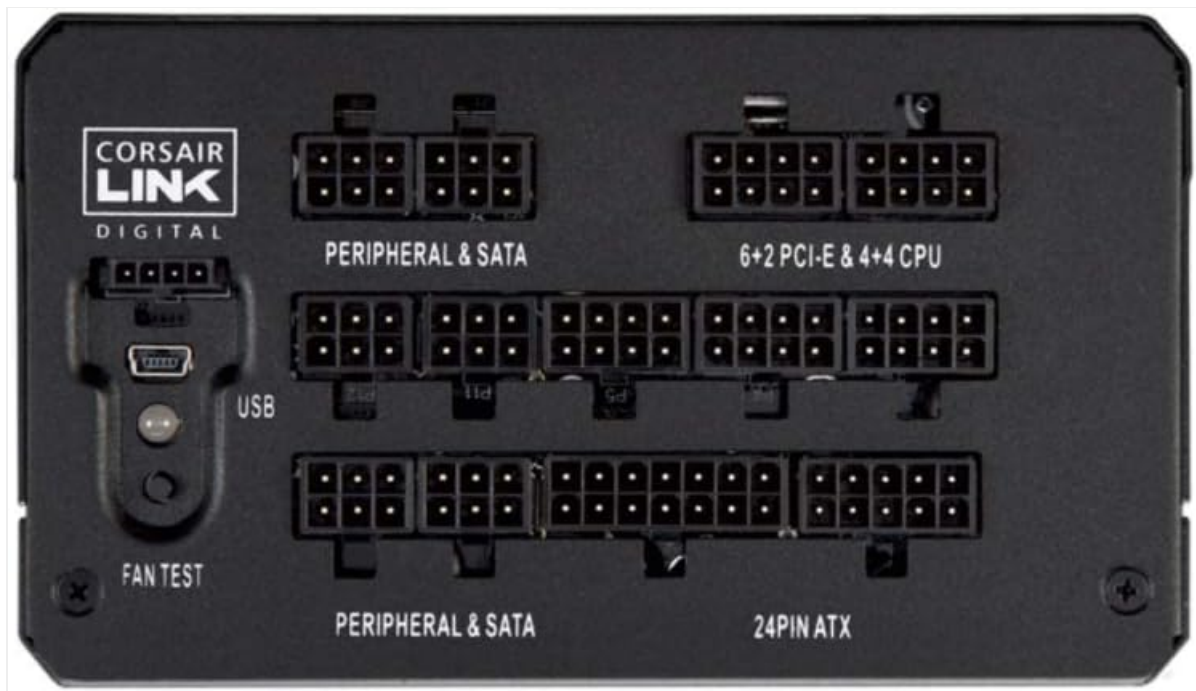


Figure 3.1: Rear panel of the HX850i showing modular cable connection ports.

### 3.2 Corsair Link Digital Connection

The HX850i supports Corsair Link Digital, allowing you to monitor and control the power supply directly from your desktop.

- Connect the included USB cable from the "USB" port on the power supply to an available internal USB 2.0 header on your motherboard.
- Download and install the latest Corsair iCUE software from the official Corsair website ([www.corsair.com/downloads](http://www.corsair.com/downloads)).



Figure 3.2: Rear view of the HX850i, highlighting the USB port for Corsair Link Digital.

### 3.3 Compatibility

The HX850i is compatible with 4th generation Intel Core processors (Intel Haswell and Z87 motherboards) and adheres to ATX12V v2.4 and EPS 2.92 standards. It is backward compatible with ATX12V 2.2, 2.31, and ATX12V 2.01 systems.

## 4. OPERATING INSTRUCTIONS

---

### 4.1 Powering On

After all cables are securely connected, plug the AC power cord into the power supply and a wall outlet. Flip the power switch on the rear of the power supply to the 'ON' position.

### 4.2 Efficiency and Cooling

The HX850i is 80 PLUS Platinum certified, ensuring high energy efficiency and reduced heat generation. It features a Zero RPM Fan Mode, meaning the fan will not spin at low to medium loads, resulting in virtually silent operation. The fan will automatically activate when the load increases to maintain optimal temperatures.

### 4.3 Corsair Link Digital Monitoring

Utilize the Corsair iCUE software to monitor various aspects of your power supply's performance, including:

- Power consumption and output
- Fan speed (RPM)
- Internal PSU temperature
- Calculated efficiency
- Toggle between single rail or multi rail mode (advanced users)

A fan test button is located on the power supply unit. Pressing this button will momentarily spin the fan to confirm its functionality.

## 5. MAINTENANCE

---

The CORSAIR HX850i is designed for long-term reliability with a Mean Time Between Failures (MTBF) of 100,000 hours. Minimal maintenance is required.

- **Dust Removal:** Periodically inspect the power supply's fan intake and exhaust vents for dust accumulation. Use compressed air to gently clear any dust to ensure proper airflow and cooling. Ensure the system is powered off and unplugged before cleaning.
- **Cable Management:** Ensure cables are neatly routed and not obstructing airflow within the PC case.

## 6. TROUBLESHOOTING

---

If you encounter issues with your HX850i power supply, consider the following troubleshooting steps:

- **No Power:**
  - Ensure the AC power cord is securely connected to both the power supply and the wall outlet.
  - Verify the power switch on the rear of the PSU is in the 'ON' position.
  - Check all modular cable connections to the power supply and components (motherboard, GPU, etc.) are firm and fully seated.
- **Fan Not Spinning:**
  - The HX850i features Zero RPM Fan Mode. The fan will not spin at low loads. This is normal operation.
  - To test the fan, press the fan test button on the power supply unit. The fan should spin briefly.
  - If the fan never spins even under high load, or the test button does not activate it, contact Corsair support.

- **System Instability/Crashes:**

- Ensure your system's power requirements do not exceed the 850W capacity of the PSU.
- Check for loose cable connections.
- Monitor power supply performance using Corsair iCUE software for any anomalies.

- **Corsair Link/iCUE Not Detecting PSU:**

- Ensure the internal USB cable is correctly connected from the PSU to your motherboard's USB 2.0 header.
- Try a different USB 2.0 header if available.
- Ensure you have the latest version of Corsair iCUE software installed.
- Restart your computer.

For further assistance, refer to the official Corsair support resources.

## 7. SPECIFICATIONS

Feature	Specification
Brand	Corsair
Model Name	HXi Series HX850i
Item Model Number	CP-9020073-NA
Output Wattage	850 Watts
Efficiency Certification	80 PLUS Platinum
Form Factor	ATX12V / EPS12V
Cooling Method	Air (Zero RPM Fan Mode)
Modular Type	Fully Modular
MTBF Hours	100,000 hours
Dimensions (LxWxH)	18.6 x 8 x 6.8 inches
Item Weight	1 pounds
USB 2.0 Ports	1 (for Corsair Link Digital)
Compatible Devices	Personal Computer

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The CORSAIR HXi Series HX850i Digital Power Supply comes with a **Ten-Year Warranty**, ensuring reliable operation across multiple system builds. Please retain your proof of purchase for warranty claims.

### 8.2 Customer Support

For technical support, warranty claims, or additional information, please visit the official Corsair support website:

[www.corsair.com/support/](http://www.corsair.com/support/)

You can also refer to the official User Guide PDF available online:

[User Guide \(PDF\)](#)

