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## Chessnut CP100

# Chessnut Pro AI Electronic Chessboard Set User Manual

Model: CP100 | Brand: Chessnut

## 1. INTRODUCTION

The Chessnut Pro AI Electronic Chessboard Set is a sophisticated, full-sized wooden chessboard designed for an enhanced chess experience. It integrates advanced technology to provide seamless interaction with digital platforms while maintaining the tactile feel of traditional chess. This manual provides essential information for setting up, operating, and maintaining your Chessnut Pro.



Figure 1.1: Chessnut Pro AI Electronic Chessboard with companion app on a smartphone.

This electronic chessboard features full piece recognition, allowing the board to automatically detect the position and movement of each piece. It supports Chess960 and offers AI-powered training with 20 adjustable difficulty levels. Users can connect to popular online chess platforms like Chess.com and Lichess to play against millions of players worldwide.

## 2. WHAT'S IN THE BOX

Upon unboxing your Chessnut Pro AI Electronic Chessboard Set, please verify that all components listed below are present and in good condition:

- **Chessnut Pro Electronic Chessboard:** The main wooden chessboard unit with embedded sensors and LED lights.
- **34 Wooden Pieces with Sensor Chips:** Includes a complete set of chess pieces for both sides, plus two extra queens for pawn promotion. Each piece contains a sensor chip for recognition by the board.
- **USB-C Charging Cable:** Used for charging the internal Lithium Polymer battery of the chessboard.
- **Quick Start Guide:** A brief printed guide to help with initial setup.

# CHESSNUT PRO

FULL-SIZED WOODEN ELECTRONIC CHESS SET  
WITH WOODEN PIECES

Sensing Your Moves Potential with Chessnut



Figure 2.1: The Chessnut Pro board showcasing its integrated electronic features.

## 3. SETUP

Follow these steps to set up your Chessnut Pro for the first time:

1. **Charge the Chessboard:** Connect the provided USB-C charging cable to the charging port on the side of the Chessnut Pro board and plug the other end into a compatible USB power adapter (not included). The board has an internal Lithium Polymer battery.
2. **Download the Chessnut App:** Search for the official Chessnut app on your smartphone's app store (available for iOS and Android). Ensure you download the latest version for optimal performance.
3. **Power On:** Press and hold the power button on the side of the chessboard until the indicator light turns green.
4. **Connect via Bluetooth:** Open the Chessnut app on your device. The app will guide you through connecting to the Chessnut Pro via Bluetooth. A blue indicator light on the board signifies a successful Bluetooth connection.
5. **Place Pieces:** Arrange the wooden chess pieces in their standard starting positions on the board.

The board's full piece recognition technology will detect their presence.

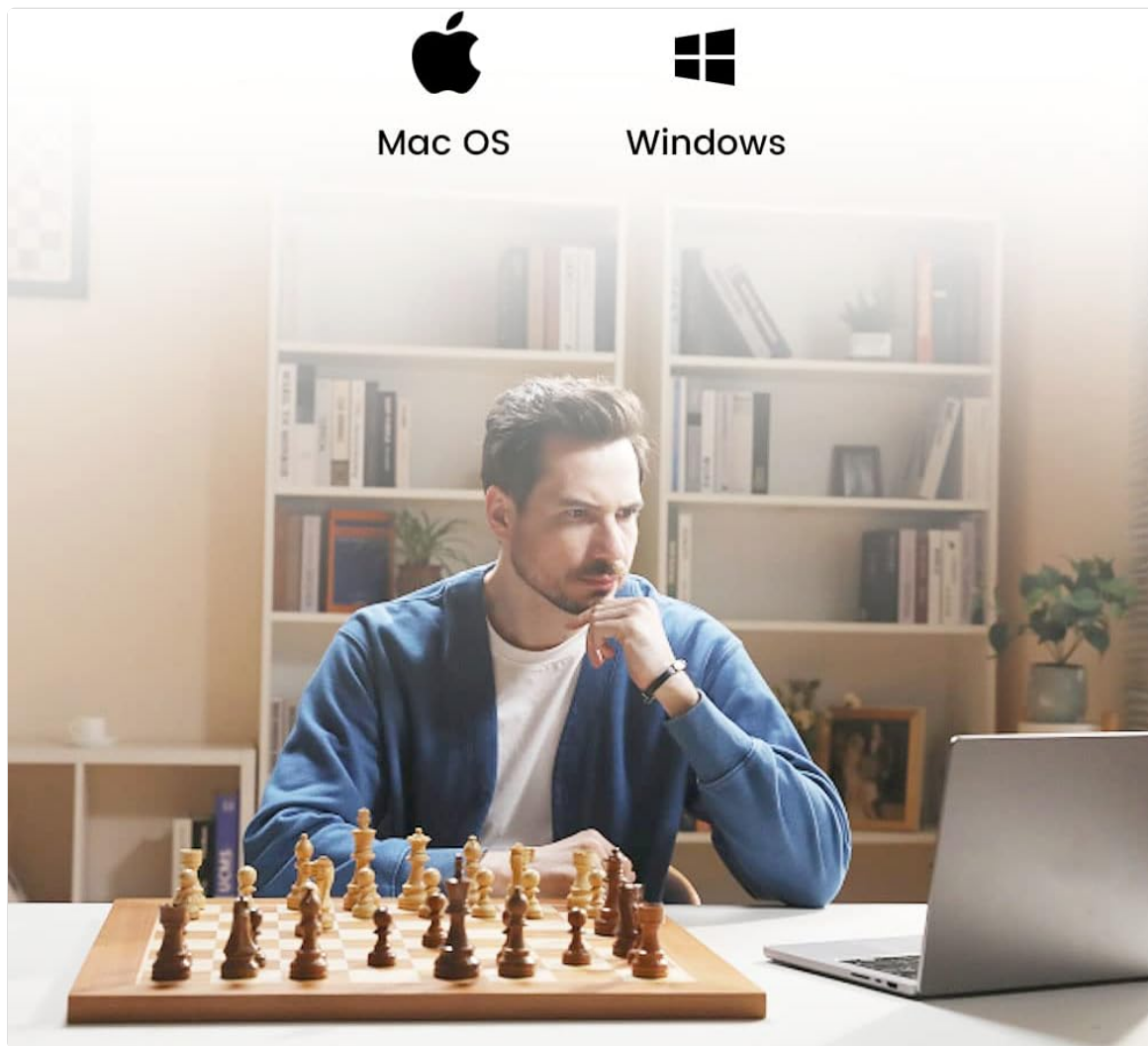


Figure 3.1: Connecting the Chessnut Pro to a computer for gameplay.



Mac OS



Android



Figure 3.2: Connecting the Chessnut Pro to a mobile device for gameplay.

## 4. OPERATING YOUR CHESSNUT PRO

The Chessnut Pro offers various modes of play and training:

### 4.1. AI-Powered Training

Utilize the Chessnut app to engage with the built-in AI. The AI features 20 adjustable difficulty levels, allowing it to adapt to your skill level for continuous improvement. You can revisit past games, participate in puzzles, and join weekly leagues directly through the app.

### 4.2. Online Play

Connect your Chessnut Pro to popular online chess platforms such as Chess.com and Lichess. This feature allows you to play against a global community of over 45 million players, experiencing online matches with the physical interaction of a real board.

### 4.3. Piece Recognition and LED Indicators

The board automatically detects the position of each wooden piece thanks to embedded sensor chips. When playing against the AI or online, the board's embedded LED lights will illuminate to indicate the opponent's moves, making it easy to follow the game without looking at the screen. If a piece is accidentally knocked over or misplaced, the app will notify you, and the corresponding square's LED

will indicate the issue until corrected.

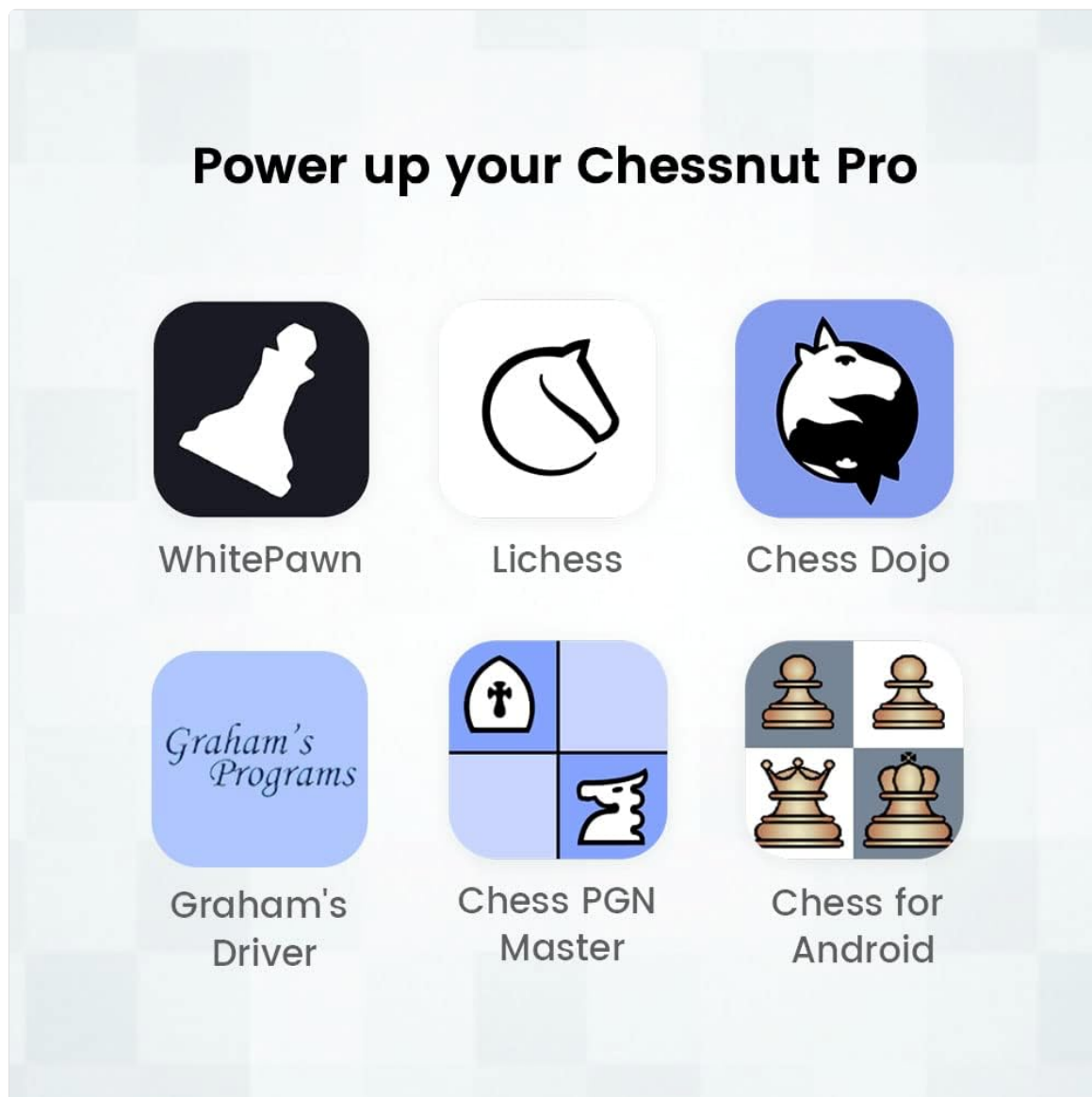


Figure 4.1: Compatible third-party applications for Chessnut Pro.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your Chessnut Pro, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the wooden board and pieces with a soft, dry cloth. Avoid using abrasive cleaners or excessive moisture, which can damage the wood and electronic components.
- **Storage:** Store the chessboard and pieces in a dry environment, away from direct sunlight and extreme temperatures. High humidity or rapid temperature changes can cause the wood to warp or crack.
- **Battery Care:** For optimal battery life, avoid fully discharging the board frequently. Charge the board regularly, even if not in use for extended periods.
- **Handle with Care:** While durable, the wooden pieces and board should be handled with care to prevent damage to the embedded sensors.

## 6. TROUBLESHOOTING

If you encounter any issues with your Chessnut Pro, refer to the following common troubleshooting steps:

- **Board Not Powering On:** Ensure the board is sufficiently charged. Connect it to the USB-C charging cable and allow it to charge for at least 30 minutes before attempting to power on again.
- **Bluetooth Connectivity Issues:**
  - Ensure Bluetooth is enabled on your device.
  - Make sure the Chessnut Pro is within range (typically 10 meters or 33 feet).
  - Restart both the Chessnut Pro and your connecting device.
  - Forget the device in your Bluetooth settings and re-pair.
- **Piece Recognition Errors:**
  - Ensure all pieces are correctly placed on their respective squares.
  - Verify that no foreign objects are on the board interfering with sensors.
  - If a piece is knocked over, stand it upright. The board will indicate the correct position once the piece is re-established.
- **App Not Responding:** Close and reopen the Chessnut app. If the issue persists, try reinstalling the app.

## 7. SPECIFICATIONS

Feature	Detail
Product Dimensions	21.26 x 21.26 x 0.86 inches
Item Weight	12.78 pounds
Model Number	CP100
Batteries	1 Lithium Polymer battery (included)
Manufacturer	CHESSNUT
Recommended Age	18 months - 5 years

Figure 7.1: King piece dimensions (9.6 cm height).



## 8. WARRANTY AND SUPPORT

The Chessnut Pro AI Electronic Chessboard Set comes with a **one-year limited warranty**. This warranty covers manufacturing defects and ensures peace of mind for your purchase. Additionally, Chessnut provides **365 days of complimentary technical support** to assist with any operational questions or issues you may encounter. For support, please refer to the contact information provided in your Quick Start Guide or visit the official Chessnut website.