# Blackjack Odds & Probability (BOP) User Manual

## Main Menu Options

Start Game: Choose between American Standard Blackjack or Spanish 21.

Settings: Customize game parameters (deck size, AI difficulty, game speed).

Help: Access this user manual and in-game tutorials.

Exit: Close the application.

## Game Setup

Select Blackjack Variant (American Standard or Spanish 21).

Choose the Deck Size (1-8 decks).

Select the number of AI or Human-Controlled Players (0-6).

Click Start Game to begin.

## Playing the Game

### Basic Gameplay

Players receive two initial cards.

The dealer receives two cards (one face-up, one face-down).

Players can choose actions:

* Hit (Draw another card)
* Stand (Keep current hand)
* Double Down (Double bet, take one more card)
* Split (If two cards are of the same rank, split into two hands)
* Surrender (Forfeit half of the bet to exit the round)

The dealer plays according to standard blackjack rules.

### Features During Gameplay

Best Action Recommendations: The system suggests the statistically optimal move.

Card Tracking: Displays the number of remaining cards in the deck.

Probability Insights: Shows the likelihood of busting, hitting 21, and dealer outcomes.

## Advanced Features

### AI Opponents and Dealer

AI players simulate real opponents.

The AI dealer follows standard casino rules.

### Multiplayer Mode

Play against AI and/or human players in a shared game session.

### Customization Options

Adjust AI difficulty levels.

Enable/disable in-game probability assistance.

## Troubleshooting & Support

### Common Issues & Solutions

Game not launching? Ensure Python and dependencies are installed correctly.

Graphical issues? Update graphics drivers.

Incorrect probabilities? Verify correct game settings are selected.

### Additional Support

For further assistance, visit: BOP Support Drive.

## Conclusion

The BOP software provides an in-depth blackjack experience with strategic guidance and probability analysis. Whether you are a casual player, a student, or a gambling enthusiast, this tool enhances your understanding of blackjack mechanics, allowing you to refine your gameplay and decision-making skills.