🎮 WosBot - Whiteout Survival Bot

Complete User Manual

🔧 **Windows EXE created by:** Stargaterunner
🗓 **EXE Build:** September 2025
🏛 **Original Developer:** CamoDev

📦 Quick Start

☑ Recommended Execution (with Admin Rights):

```
WosBotAdmin.exe
```

- **Automatically starts as Administrator**
- **Tesseract OCR correctly configured**
- **Optimal performance**

🔧 Alternative Launch Options:

- `WosBot-Admin.bat` - Admin batch file
- `WosBot-Start.bat` - Normal execution with Tesseract fix

⚙ System Requirements

🖥 Android Emulator Settings (MANDATORY)

Supported Emulators:

- **MuMu Player** (Original development)
- **MEmu Player** (EXE version tested)
- **LDPlayer** (Available in bot selection)

**Settings for all emulators:

- **Resolution:** 720x1280 (320 DPI)
- **CPU:** 2 Cores
- **RAM:** 2GB
- **Language:** English
- **Game:** Whiteout Survival (in English)

💻 Windows System:

- Windows 10/11 (64-bit)
- Java Runtime (embedded in EXE)

- 550MB+ free storage space
- Administrator rights (recommended)

🎯 Bot Features

🏪 Automated Daily Tasks

- ☑ **Nomadic Merchant** - Automatic interactions and VIP point purchases
- ☑ **Hero Recruitment** - Automatically recruit heroes
- ☑ **War Academy** - Collect daily shards
- ☑ **Crystal Laboratory** - Collect fire crystals
- ☑ **Exploration Chests** - Open chests automatically
- ☑ **Daily VIP Points** - Claim VIP points
- ☑ **Online Rewards** - Collect online rewards
- ☑ **Mail Rewards** - Automatically collect mail rewards

🤝 Alliance Functions

- ☑ **Alliance Tech** - Technology contributions
- ☑ **Alliance Chests** - Collect alliance chests
- ☑ **Alliance Auto Join** - Automatically join rallies
- ☑ **Alliance Help** - Automatic help for alliance members

🏗 City & Resources

- ☑ **Train and Promote Troops** - Train and promote troops
- ☑ **Gathering** - Automatic resource gathering
- ☑ **Building Upgrades** - Building upgrades
- ☑ **Storehouse Chest** - Storehouse chests

🐾 Pet System

- ☑ **Pet Skills** - Auto-activation (Food, Treasure, Stamina)
- ☑ **Pet Adventure** - Collect adventure chests
- ☑ **Pet Alliance Treasures** - Collect alliance treasures

📊 Events & Special Tasks

- ☑ **Intel Completion** - Automatically complete intel
- ☑ **Tundra Trek Supplies** - Collect Tundra Trek supplies
- ☑ **Tundra Truck Event** - Automate "My Trucks" section
- ☑ **Daily Missions** - Daily missions
- ☑ **Mystery Shop** - Mystery shop interactions
- ☑ **Hero Mission Events** - Hero mission events

🖱 User Interface

📋 Main Window Areas:

1. **Launcher** - Bot start and profile selection
2. **Task Manager** - Schedule and monitor tasks
3. **Profile Manager** - Multi-account management
4. **Console Log** - Real-time logs and status
5. **Emulator Config** - Emulator connection settings

🎛️ Configuration Areas:

- **City Events** - City event settings
- **City Upgrades** - Building upgrade configuration
- **Alliance** - Alliance-specific settings
- **Gathering** - Resource gathering settings
- **Intel** - Intelligence task configuration
- **Pets** - Pet system settings
- **Training** - Troop training options
- **Events** - Event-specific configurations
- **Shop** - Shop interaction settings
- **Experts** - Expert system configuration

🚀 Getting Started

1️⃣ Start Bot:

```
Double-click on: WosBotAdmin.exe
```

2️⃣ Configure Emulator:

- Open **MuMu Player**, **MEmu Player** or **LDPlayer**
- Start Whiteout Survival
- In Bot: **"Emulator Config"** tab
- **"Detect Emulator"** or manually enter port

3️⃣ Create Profile:

- **"Profile Manager"** tab
- **"New Profile"** button
- Enter account details:
    - **Profile Name** (e.g., "Main Account")
    - **Player Level**
    - **Alliance Name**
    - **Preferred Settings**

4️⃣ Configure Tasks:

- **"Task Manager"** tab
- Enable/disable desired tasks

- Set schedules
- Set priorities

5️⃣ **Activate Bot:**

- **"Launcher"** tab
- Select profile
- **"Start Bot"** button

📝 Profile Management

👤 **Multi-Account Support:**

- Create **unlimited profiles**
- **Bulk updates** for multiple profiles
- **Copy profiles** for similar accounts
- **Import/Export** profile settings

⚙️ **Profile Configuration:**

```
- Account Name
- Player Level
- Alliance Information
- Task Preferences
- Schedule Settings
- Resource Priorities
- Event Preferences
```

⏰ Task Scheduling

📅 **Automatic Scheduling:**

- **Daily Tasks** - Daily at set times
- **Interval Tasks** - Every X minutes/hours
- **Event-based** - Depending on game events
- **Priority System** - Important tasks first

🎯 **Task Categories:**

- **High Priority** - VIP, Daily Rewards, Alliance
- **Medium Priority** - Gathering, Training, Pet Skills
- **Low Priority** - Upgrades, Shop Interactions
- **Event Tasks** - Time-limited events

🔧 Advanced Configuration

🖼 Template System:

The bot uses image recognition templates in:

```
/templates/
├── alliance/
├── city/
├── events/
├── gathering/
├── pets/
├── shop/
└── training/
```

📊 OCR (Optical Character Recognition):

- **Tesseract OCR** for text recognition
- **Languages:** English, Chinese (Simplified)
- **Automatic template adaptation**

🗄 Database:

- **SQLite** for profile and task data
- **Automatic backups**
- **Location:** `database.db`

📋 Logs & Monitoring

📄 Log Files:

```
/log/bot.log - Main log file
Console Log - Real-time output in bot
```

🔍 Log Levels:

- **INFO** - General information
- **WARN** - Warnings (not critical)
- **ERROR** - Errors (attention required)
- **DEBUG** - Detailed debugging info

❗ Troubleshooting

🚨 Common Problems:

1. "Tesseract couldn't load any languages!"

Solution:

- Use `WosBotAdmin.exe` or `WosBot-Start.bat`
- These EXE files contain all necessary configurations

2. "Emulator not detected"

Solution:

- Restart emulator (MuMu/MEmu/LDPlayer)
- Enable ADB debugging
- Use port 5555 (standard)

3. "Template not found"

Solution:

- Check emulator resolution: 720x1280 (320 DPI)
- Switch game to English
- Clear template cache and restart

4. "libpng warning: sBIT: invalid"

Solution:

- **Harmless warning** - can be ignored
- Does not affect bot functionality

🔧 Debug Mode:

For advanced troubleshooting:

```
1. Enable Console Log
2. Set log level to DEBUG
3. Take screenshots of errors
4. Analyze log file
```

⚡ Performance Tips

🎯 Optimal Performance:

1. **Only enable needed tasks**
2. **Set reasonable intervals** (not too aggressive)
3. **Enable emulator performance mode**
4. **Close other applications during bot operation**
5. **Regular restarts** (daily)

📊 Resource Usage:

- **RAM:** ~200-400MB
- **CPU:** Low (except during template matching)
- **Network:** Minimal
- **Storage:** Logs can grow (delete regularly)

🛡 Security & Best Practices

☑ **Recommended Usage:**

- **Reasonable intervals** between actions
- **Don't run 24/7**
- **Vary bot behavior**
- **Manual activity in between**

⚠ **Precautions:**

- **Create profile backups**
- **Archive log files regularly**
- **Install bot updates promptly**
- **Respect game rules**

🆘 Support & Community

💬 **Discord Community:**

DISCORD

☕ **Support:**

Buy me a coffee

🖱 **Bug Reports:**

- Detailed error description
- Attach screenshots
- Provide log files
- Include system information

🗓 Version Information

Version: 1.5.4
Windows EXE Build: September 2025 by **Stargaterunner**
Original JAR: CamoDev
Compatibility: Whiteout Survival (Current)

🔄 **Update Behavior:**

- Templates are automatically cached
- Database migrations occur automatically
- Profiles remain preserved during updates

⚖️ Legal Notice

Disclaimer:

- This bot is developed for educational purposes
- Use at your own risk
- Observe game rules and ToS
- Developer assumes no liability

🎉 Success!

The bot is successfully configured and ready to use!

For further help, visit the Discord community or read the detailed logs in the console.

👥 Credits

🏆 **Original Bot Development:** CamoDev
🔧 **Windows EXE Conversion:** Stargaterunner
🌐 **Community & Support:** Discord
☕ **Support Original Developer:** Buy Me Coffee

📝 This manual was automatically generated based on codebase analysis of WosBot v1.5.4
🔧 EXE conversion and manual by Stargaterunner - September 2025