AutoPrompt Companion

User Manual v2.0.0

Complete Edition

April 2026

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1. Introduction

AutoPrompt Companion is a Computer Vision-powered Windows automation tool that controls your PC via Bluetooth HID device. It uses AI (Large Language Models) to understand natural language instructions and execute them as computer actions.

Key Features

Feature	Description
AI-Powered Automation	Type goals in plain English; ACS breaks them into steps
Multi-Provider LLM	Supports OpenAI, Anthropic, Ollama, Groq, OpenRouter
Computer Vision	Analyzes screen content to guide automation
HID Control	Sends keyboard/mouse commands via Bluetooth
Macro System	Pre-built actions: Alt+Tab, open apps, etc.
Recording System	Record and replay HID sessions
Error Recovery	Auto-retry with fallback strategies
Real-Time API	WebSocket + REST for external integration

2. Installation

System Requirements

- Windows 10 (1903+) or Windows 11
- Intel Core i3 / AMD Ryzen 3 or better
- 4 GB RAM (8 GB recommended)
- 500 MB available space
- USB Bluetooth HID Device
- Internet connection (for cloud LLM providers)

Installation Steps

10. 1. Download the installer from https://github.com/AutoPromptSupport/AutoPrompt-Companion/releases
11. 2. Run AutoPrompt_Companion_Installer.exe
12. 3. Connect your AutoPrompt Bluetooth device to USB
13. 4. Launch ACS from Start Menu or desktop shortcut
14. 5. Configure Settings (see Settings Reference section)

3. Getting Started

First Launch

15. Connect HID device (you will see "Connected to AutoPrompt device on COMx")
16. Open Settings (gear icon)
17. Go to AI Providers tab and enter your API key
18. Click Save

Quick Test

1. Open Notepad on your computer
2. In ACS, type "type hello world" in the input box
3. Press Enter or click Auto button
4. "hello world" should appear in Notepad

4. User Interface

The ACS interface consists of:

Video Feed Area (Top): Live camera preview for AI screen analysis

Toolbar (Middle): Quick access to Camera, Connect, Auto, Stop, Record, Play, Macros, Settings

Control Panel (Bottom): Custom Buttons (0-3), Custom Switches (0-1), and input area

Toolbar Buttons

Button	Function
Camera	Select camera source, toggle feed on/off
Connect	Connect/disconnect Bluetooth HID device
Auto	Start AI automation with current prompt
Stop	Emergency stop all automation
Record	Start/stop recording HID session
Play	Open recording playback dialog
Macros	Browse and execute macro library
Settings	Open settings configuration

5. Settings Reference

General Tab

- Start minimized - Launch minimized to system tray
- Connect on startup - Auto-connect HID device at launch
- Activity Logging - Log all actions to CSV file

AI Providers Tab

Mode: Simple (one provider) or Advanced (task-specific)

Simple Mode: One provider for all tasks
Advanced Mode: Different providers for Planning and Execution

Provider: OpenAI, Anthropic, Ollama, Groq, OpenRouter
API Key: Your provider API key
Model: Model selection (varies by provider)

Hardware Tab

- Camera Index: Select camera source
- COM Port: HID device port (auto-detected)
- Test Connection: Verify HID device

Behavior Tab

- Key Delay: Seconds between keystrokes
- Click Delay: Seconds between mouse clicks
- Enable Mouse: Allow mouse commands
- Confirm Destructive: Ask before close/delete

Stealth Tab

- Randomize Delays: Add +/-20% variation to timing
- Inject Mistakes: Occasional typo + correction
- Mistake Rate: Percent chance of mistake

Custom Buttons Tab

For each Button (0-3):

Enabled: Activate button
Label: Display text
Mode: Auto (AI prompt) or Regular (macro)
Prompt: For Auto mode - natural language goal
Macro: For Regular mode - select macro

Alternative: Right-click unassigned buttons and select "Edit Button"

Custom Switches Tab

For each Switch (0-1):

Enabled: Activate switch
Label: Display text
Endless Mode: Continuous loop execution
Prompt: The workflow to execute repeatedly

Alternative: Right-click unassigned switches and select "Edit Switch"

6. Core Features

Auto-Prompt Mode

1. Type your goal (e.g., "open notepad and type a message")
2. Click Auto button
3. ACS analyzes the screen and generates sub-goals
4. Each step is executed automatically
5. Progress shown in status log

Error Recovery

When actions fail, ACS automatically tries:

- RETRY: Immediate retry
- RETRY WITH BACKOFF: Retry with delays (2s, 4s, 8s)
- FALLBACK: Alternative approach
- SKIP: Continue to next step
- REPLAN: Ask LLM for new approach

Macro System

Macro	Action
macro:alt_tab	Switch to previous window
macro:open_notepad	Launch Notepad
macro:open_chrome	Launch Chrome
macro:open_vscode	Launch VS Code
macro:open_firefox	Launch Firefox
macro:close_window	Close active window
macro:refresh_page	Press F5 to refresh
macro:press_enter	Press Enter key
macro:press_esc	Press Escape key
macro:ctrl_s	Save shortcut (Ctrl+S)
macro:ctrl_c	Copy shortcut (Ctrl+C)
macro:ctrl_v	Paste shortcut (Ctrl+V)

Recording System

Record a session:

1. Click Record button
2. Perform actions (manually or via automation)
3. Click Stop button
4. Recording saved to ~/.openclaw/acs_recordings/

Playback:

1. Click Play button
2. Select recording from list

3. Choose playback mode (Once or Loop)
4. Click Play

Custom Controls

Buttons: Single click executes assigned action
Switches (Endless Mode): Toggle ON starts continuous loop

Example "Look Busy" switch:
- Prompt: "Type paragraph, Alt+Tab to Teams, move mouse, Alt+Tab back"
- Endless Mode: ON
- Result: Continuously loops the workflow

7. REST API Reference

Base URL: http://localhost:5000

All responses are JSON with format: {"success": true/false, "data": {...}, "message": "...", "error": "..."}

Endpoint Groups

Health & Status

- GET /health - Server health check
- GET /get-status - Current automation status

HID Control

- POST /hid/send-command - Send raw HID command
- POST /hid/send-commands - Send multiple commands
- POST /hid/type-text - Type text with optional stealth
- POST /hid/press-key - Press key (enter, ctrl+s, etc.)

Device

- POST /device/connect - Connect HID device
- POST /device/disconnect - Disconnect device
- GET /device/status - Connection status

Macros

- GET /macros/list - List available macros
- GET /macros/{name} - Get macro details
- POST /macros/execute - Execute macro by name

Controls

- GET /controls/buttons - Get button states
- POST /controls/button/{index}/press - Press button (0-3)
- GET /controls/switches - Get switch states
- POST /controls/switch/{index}/toggle - Toggle switch (0-1)

Recording

- POST /recording/start - Start recording
- POST /recording/stop - Stop recording
- GET /recording/list - List recordings
- POST /recording/play/{name} - Play recording

Camera

- GET /camera/list - List cameras
- GET /camera/frame - Get frame (base64)
- GET /camera/frame/raw - Get raw JPEG
- POST /camera/start - Start camera
- POST /camera/stop - Stop camera

Automation

- POST /automation/start - Start with goal/prompt
- POST /automation/stop - Stop automation
- POST /automation/pause - Pause automation
- POST /automation/resume - Resume automation
- GET /automation/status - Detailed status

Configuration

- GET /config - Get full config
- PUT /config - Update full config
- GET /config/providers - List LLM providers

Prompts

- POST /send-prompt - Send prompt for AI processing
- POST /send-hid-commands - Send raw HID commands

WebSocket Events

Connect to ws://localhost:5000 for real-time events:

execution_progress - Step X of Y, percent complete
execution_complete - Task finished
execution_error - Error occurred
execution_endless_restart - Endless mode loop restarted
camera_frame - Base64 JPEG frame

8. Troubleshooting

Device Not Connecting

1. Check USB connection

2. Verify in Device Manager → Ports (COM & LPT)

3. Try manual COM port selection in Settings → Hardware

Camera Not Working

1. Check permissions (Windows Settings → Camera)

2. Try different Camera Index in Settings

3. Close other apps using camera

LLM Commands Failing

1. Verify API key in Settings → AI Providers

2. Check internet connection

3. Verify provider prefix: openai/gpt-4o not just gpt-4o

Toggle Stops Unexpectedly

1. Restart ACS after code updates

2. Check Debug Console (magnifying glass button) for errors

3. Toggle off and on to reset state

9. Support

Website: https://www.autoprompt.com.au/

GitHub: https://github.com/AutoPromptSupport/AutoPrompt-Companion

Issues: https://github.com/AutoPromptSupport/AutoPrompt-Companion/issues