

TRS TOOLS

PORTABLE AI ASSISTANT

Complete User Guide

100% Offline • Privacy First • AI-Powered

Version 1.0 • 2025

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1. WELCOME & OVERVIEW

Thank you for choosing the TRS Tools Portable AI Assistant!

What is This?

The TRS Tools Portable AI Assistant is a completely self-contained, offline artificial intelligence system that runs directly from your USB drive. No internet connection required, no subscriptions, no cloud services - your conversations remain 100% private on your device.

Key Benefits:

- Complete Privacy - All processing happens locally on your computer
- No Internet Required - Works completely offline
- Multiple AI Models - Choose from 5 powerful AI models
- Kid-Safe Mode - Special homework helper with content filtering
- Truly Portable - Works on any Windows 10/11 computer
- No Installation - Run directly from USB drive

2. QUICK START GUIDE

Getting Started in 5 Easy Steps:

Step 1: Create Desktop Shortcut (Optional)

Double-click CREATE_DESKTOP_SHORTCUT.bat for easy access from your desktop.

Step 2: Launch the Assistant

Double-click START_AI_CLICK_HERE.bat on the USB drive (or use desktop shortcut).

Step 3: Select Your Mode

Choose between:

- Option 1: Regular Chat Mode - Full conversational AI with no restrictions
- Option 2: Homework Helper Mode - Kid-safe, educational focus with content filtering

Step 4: Choose AI Model

Select from available models or press Enter to use the recommended default. The system will show you which models are installed on your USB drive.

Step 5: Wait for Browser

The system will automatically open your web browser. First-time loading may take 30-90 seconds depending on your computer's hardware. You'll see progress indicators showing the system is working.

That's it! You're ready to start chatting with your AI assistant. **That's it! You're ready to start chatting with your AI assistant.**

3. FEATURES & CAPABILITIES

Chat Interface Features:

- Real-time Streaming Responses - See AI responses appear word-by-word like ChatGPT
- Model Switching - Change AI models on-the-fly without restarting
- Professional UI - High-tech, futuristic interface with animations
- Hardware-Adaptive - System automatically adjusts to your computer's performance
- Progress Indicators - Visual feedback during loading and processing
- Status Monitoring - Real-time system status and connection indicators

What Can You Do?

- Writing & Editing - Draft emails, articles, stories, reports
- Programming Help - Code generation, debugging, explanations
- Learning & Education - Explain concepts, tutor on subjects
- Creative Projects - Brainstorming, story writing, poetry
- Problem Solving - Analysis, planning, decision support
- Conversation - Natural language chat on any topic

4. AVAILABLE AI MODELS

Your USB drive includes multiple AI models, each optimized for different use cases:

Model	Size	Best For
Llama 3.2 3B	2GB	Speed - Fastest responses, homework help
Llama 3.1 8B	5GB	Quality - Best overall performance, complex tasks
DeepSeek Coder 6.7B	4GB	Programming - Code generation and debugging
Mistral 7B	4GB	Balanced - Good speed and quality mix
Dolphin Llama3 8B	5GB	Uncensored - No content restrictions

Performance Note:

Loading times and response speeds depend on your computer's hardware. Systems with more RAM and faster processors will perform better. Smaller models (3B) load faster than larger models (8B).

5. UTILITY TOOLS

Your USB drive includes several utility tools in the Utilities folder:

CREATE_DESKTOP_SHORTCUT.bat

Purpose: Creates a desktop shortcut for quick access

How to use: Double-click and confirm when prompted

Result: "Portable AI Assistant" icon appears on your desktop

CHECK_FILES.bat

Purpose: Verifies all required files are present on the USB drive

How to use: Double-click to run a system check

Result: Shows which files are present or missing

LIST_MODELS.bat

Purpose: Displays all AI models installed on your USB drive

How to use: Double-click to see available models

Result: Shows model names, sizes, and last modified dates

CHECK_MODELS.bat

Purpose: Comprehensive diagnostics for models and system

How to use: Double-click for full system diagnostics

Result: Detailed report of system status, models, and configuration

DOWNLOAD_MODEL.bat

Purpose: Download and install additional AI models

How to use: Double-click and follow prompts to add new models

Note: Requires internet connection for downloading

6. CHAT MODES EXPLAINED

Mode 1: Regular Chat (Neural.AI Interface)

Features:

- No content restrictions or filtering
- Full conversational AI capabilities
- High-tech blue/purple interface design
- All 5 AI models available
- Suitable for adult users and professional work

Best for: General conversation, creative writing, programming, research, analysis, brainstorming

Mode 2: Homework Helper (EduCore AI Interface)

Features:

- Kid-safe content filtering active
- Educational focus - teaches, doesn't do homework
- Age-appropriate responses (K-12)
- Green/cyan interface design
- Grade level selector (Elementary, Middle, High School)
- Blocks inappropriate topics automatically

Best for: Student homework help, test preparation, concept explanation, guided learning

Important: The Homework Helper GUIDES learning - it will not give direct answers or complete assignments for students. It teaches them HOW to solve problems themselves. **Important: The Homework Helper GUIDES learning - it will not give direct answers or complete assignments for students. It teaches them HOW to solve problems themselves.**

7. TROUBLESHOOTING

Problem: Browser shows "localhost refused connection"

Cause: Web server or Ollama not running yet

Solution:

1. Make sure you ran START_AI_CLICK_HERE.bat
2. Wait for "SYSTEMS READY" message in command window
3. Wait 30 seconds, then refresh browser page
4. If still not working, restart the batch file

Problem: "Error: HTTP 404" when sending messages

Cause: Selected AI model is not installed

Solution:

1. Use the model dropdown at top of page
2. Select a different model from the list
3. Click 'Switch' button
4. Try your message again

Problem: System is very slow or unresponsive

Cause: Insufficient system resources or large model

Solution:

1. Switch to smaller model (llama3.2:3b or mistral:7b)
2. Close other programs to free up RAM
3. Check system requirements (8GB+ RAM recommended)
4. Wait longer during initial loading (can take 2 minutes)

Problem: Python not found error

Cause: Python not installed or not in system PATH

Solution:

1. Download Python from <https://www.python.org/downloads/>
2. During installation, CHECK "Add Python to PATH"
3. Restart your computer
4. Try running the AI assistant again

Problem: Model loading takes forever (5+ minutes)

Cause: Computer has limited RAM or slow storage

Solution:

1. Use USB 3.0 port (not USB 2.0) for faster access
2. Switch to smallest model (llama3.2:3b)

3. Be patient - first load is slowest, subsequent loads faster
4. Model will finish loading - you'll see progress indicators

Problem: Desktop shortcut doesn't work after unplugging USB

Cause: USB drive letter changed

Solution:

1. Plug in USB drive
2. Run CREATE_DESKTOP_SHORTCUT.bat again
3. New shortcut will use current drive letter

8. TECHNICAL SPECIFICATIONS

System Requirements:

Minimum:

- Windows 10 or Windows 11 (64-bit)
- 8GB RAM
- USB 2.0 or higher port
- Python 3.7 or higher (usually pre-installed)
- Modern web browser (Chrome, Edge, Firefox)

Recommended:

- Windows 11
- 16GB+ RAM
- USB 3.0 or higher port
- SSD storage for better performance

Storage Requirements:

- Total USB Drive Size: 32GB minimum, 64GB+ recommended
- System Files: ~500MB
- AI Models: 15-25GB (5 models included)
- Free Space: 5-10GB for optimal performance

Software Components:

- Ollama v0.14.1 - AI engine
- Python http.server - Web interface
- HTML5/CSS3/JavaScript - User interface
- Multiple LLM models - AI processing

9. LEGAL & LICENSING

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Thank You!

Thank you for choosing TRS Tools

We hope you enjoy your Portable AI Assistant!

TRS TOOLS

Portable AI Assistant v1.0

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