

Click2ADS Pro - User Guide

Click2ADS Pro - Chrome Click-to-Call Extension

****Click2ADS Pro**** is a professional Chrome extension designed for call centers, sales teams, and support agents. It enables instant click-to-call functionality via WebRTC or SIP phones (e.g., Yealink), and includes advanced tools like an AutoDialer, integrated softphone, performance stats, and multi-SIP account management.

Features Included

Main Popup (Click2Call)

- Manual phone number input
- Select default SIP account
- One-click calling through:
 - WebRTC (browser)
 - AMI SIP Phone (e.g., Yealink)
- Start / Stop AutoDialer
- Auto-detection of call method
- "WebRTC Enabled" checkbox
- Automatic opening of WebRTC softphone popup
- Saves last dialed number
- Direct access to ****Statistics****
- Direct access to ****Options****

Options (SIP Account Management)

- Add SIP accounts via form
- Fields supported:
 - Name, Extension, Domain, Username, Password, Port
- Enable WebRTC per account
- Set default SIP account
- Account list displayed in a responsive table
- Edit existing accounts
- Delete accounts
- Status indicators:
 - SIP (Registered)

- AMI (Connected)
- WebSocket (WSS active)
- Passwords hidden in UI
- Limit to 10 accounts for clarity and UX

Integrated WebRTC Softphone (popup)

- Auto connect to WSS server
- Auto-load current number to call
- Call / Hang up
- Mute / Unmute
- Toggle numeric keypad
- Display active SIP account
- Auto-reconnect if WebSocket drops
- Status indicators: Connected / In Call / Ended

Call Statistics (stats.html)

- View all past call logs
- Filters:
 - Date range
 - Call status (answered, failed, voicemail)
 - Country code / prefix
 - Used extension
- Graphs:
 - Pie chart (status)
 - Line chart (calls per day)
- Table with details:
 - Date, number, duration, status, extension
- Export to CSV
- Export to PDF
- Auto-clean old logs (>1000 entries)

AutoDialer

- Auto call list of numbers

- Skip to next on answer or hang up
- Includes ****AMD**** (Answering Machine Detection)
 - HUMAN vs MACHINE
- Manual STOP button
- Updates call statuses automatically

Security & Local Storage

- Uses ``chrome.storage.local`` for all data
- Nothing sent externally without user consent
- Auto-clean logs
- Input validation on all forms
- SIP passwords visually encoded
- Modular architecture - no forced server required

Project Structure

click2ads-pro/

manifest.json

popup.html / popup.js

options.html / options.js

stats.html / stats.js

webrtc_ui.html / webrtc_ui.js

dialer.js / utils.js

img/ (icons 16, 48, 128 px)

docs/ (User PDF Guide)

Documentation

See ``docs/Click2ADS-Pro-Guide.pdf`` for the full illustrated guide.

Technologies Used

- JavaScript (vanilla)
- SIP.js (WebRTC)
- Chart.js (Statistics)
- Chrome Extension - Manifest V3

- FreePBX / Asterisk (via AMI)
- `chrome.storage.local` (for local persistence)

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