

# Dragon Mac Command Center

How to use the local Raycast and Rectangle Pro workspace commands

Generated 2026-06-24 from `/Users/jefffranken/dev/dragon-mac-command-center/docs/how-to-use.md`.

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This is the plain-English guide for using the local Mac workspace commands.

Repo:

```
/Users/jefffranken/dev/dragon-mac-command-center
```

GitHub:

```
https://github.com/frankenjb/dragon-mac-command-center
```

This project is intentionally not inside the Doug ESRI presentation folder.

## What This Does

Dragon Mac Command Center gives you named work modes launched from Raycast:

- Command Center
- Coding Mode
- GIS Mode
- Writing Mode
- Clean Desk

Raycast starts the mode. Shell scripts open apps, URLs, and Finder. Rectangle Pro moves windows with normal-window actions. AppleScript is used only for focusing apps or creating safe normal windows for Finder, Terminal, Chrome, and Safari.

It does not use macOS full-screen, Split View, Stage Manager, or full-screen app Spaces.

## Safety Rules

- Do not use the normal green button if it enters macOS full-screen.
- Use Option + green button only for zoom/resize behavior.
- Do not add Rectangle actions with names like full-screen or fullscreen.
- The default config is conservative: optional apps, URL opening, and Rectangle placement start disabled.
- Clean Desk hides apps; it does not quit apps.
- Clean Desk does not close unsaved documents.
- If monitor placement is unstable, turn off placement and keep the launcher behavior.

## First Setup

This has already been installed into Raycast's existing script-command folder on this Mac:

```
/Users/jefffranken/.config/raycast/scripts
```

The installed files are small wrappers. They call the real scripts in:

```
/Users/jefffranken/dev/dragon-mac-command-center/raycast
```

To reinstall or refresh those wrappers after future tweaks, run:

```
cd /Users/jefffranken/dev/dragon-mac-command-center
chmod +x raycast/*.sh
chmod +x tools/install-raycast-wrappers.sh
./tools/install-raycast-wrappers.sh
./raycast/command-center.sh --dry-run
```

Dry-run prints what would happen. It does not open apps, open URLs, hide apps, or move windows.

## Raycast Setup Status

Codex installed these wrapper commands into `/Users/jefffranken/.config/raycast/scripts`:

- `dragon-command-center.sh`
- `dragon-coding-mode.sh`
- `dragon-gis-mode.sh`
- `dragon-writing-mode.sh`
- `dragon-clean-desk.sh`
- `dragon-alias-cc.sh`
- `dragon-alias-code.sh`
- `dragon-alias-gis.sh`
- `dragon-alias-write.sh`
- `dragon-alias-clean.sh`

Raycast should see them as commands in the package named `Dragon Workspaces`.

## If Raycast Does Not Show Them

Raycast normally watches the existing script folder. If it does not show the commands, use Raycast's reload/rescan command for Script Commands.

Manual fallback:

1. Raycast Settings
2. Extensions
3. Script Commands
4. Add Directories
5. Add this folder:

```
/Users/jefffranken/dev/dragon-mac-command-center/raycast
```

The wrapper approach is preferred because the commands stay available from the existing Raycast folder while the real code remains in the standalone GitHub repo.

## Installed Short Commands

Codex installed short wrapper commands, so typing these in Raycast should launch the mode directly:

| Alias | Command        |
|-------|----------------|
| cc    | Command Center |
| code  | Coding Mode    |
| gis   | GIS Mode       |
| write | Writing Mode   |
| clean | Clean Desk     |

These are separate Raycast script commands with short titles. They avoid editing Raycast's encrypted private settings.

Optional hotkeys still need to be assigned in Raycast:

1. Search for the command in Raycast.
2. Open command preferences.
3. Add the hotkey.
4. Save it.

## Required Mac Permissions

Open:

System Settings > Privacy & Security > Accessibility

Grant access to:

- Raycast
- Rectangle Pro
- Terminal
- Any script runner you use outside Raycast

If Hammerspoon or another window tool is part of your setup, grant it Accessibility only if you actually use it for window control.

## Customize The Config

Start here:

/Users/jefffranken/dev/dragon-mac-command-center/config/dragon-mac-command-center.conf

This file controls:

- Preferred browser
- App names
- Optional app candidates
- Default URLs
- Rectangle action names
- Delays
- Dry-run default

- Whether optional apps open
- Whether window placement is enabled
- Log file path

The current safe defaults are:

```
DRAGON_OPEN_OPTIONAL_APPS=false
DRAGON_OPEN_URLS=false
DRAGON_WINDOW_PLACEMENT_ENABLED=false
```

That means a mode starts as a simple app launcher. Turn features on only after they behave on this Mac.

## The Most Useful Config Switch

If the three-monitor layout gets weird, set this:

```
DRAGON_WINDOW_PLACEMENT_ENABLED=false
```

That keeps the modes useful as app and URL launchers, but stops Rectangle from moving windows.

Turn it back on after tuning Rectangle action names or monitor behavior:

```
DRAGON_WINDOW_PLACEMENT_ENABLED=true
```

Only turn it on after this works:

```
open "rectangle://execute-action?name=almost-maximize"
```

## What Each Mode Opens With Safe Defaults

With the current safe defaults, optional apps, URLs, and Rectangle placement are disabled. That means each mode opens only the core apps below.

Command Center:

- Google Chrome
- Obsidian
- Finder

Coding Mode:

- Terminal
- Google Chrome
- Obsidian
- Finder

GIS Mode:

- Google Chrome
- Obsidian
- Finder

Writing Mode:

- Obsidian
- Google Chrome
- Finder

Clean Desk:

- Opens Finder
- Opens Obsidian
- Opens Google Chrome
- Hides nonessential apps
- Does not quit apps
- Does not close documents

## Optional Behavior You Can Enable Later

When tuned and enabled in the config, the modes can also open optional apps and URLs:

- Command Center can open ChatGPT, Teams, Outlook or Mail, Claude, GitHub, and Vercel.
- Coding Mode can open Cursor, GitHub Desktop, GitHub, Vercel, localhost:3000, and localhost:8000.
- GIS Mode can open Excel, Teams, ArcGIS Online, Experience Builder, Living Atlas, and AGOL Content.
- Writing Mode can open Word, ChatGPT, and Claude.

Turn on only the pieces you actually want:

```
DRAGON_OPEN_OPTIONAL_APPS=true  
DRAGON_OPEN_URLS=true  
DRAGON_WINDOW_PLACEMENT_ENABLED=true
```

## Test A Mode Safely

Always test with dry-run first:

```
cd /Users/jefffranken/dev/dragon-mac-command-center  
./raycast/gis-mode.sh --dry-run
```

Then run it live:

```
./raycast/gis-mode.sh
```

## Logs

Every command writes to:

```
~/Library/Logs/dragon-mac-command-center.log
```

Watch the log while testing:

```
tail -f ~/Library/Logs/dragon-mac-command-center.log
```

## If Windows Do Not Move

Check these in order:

1. Raycast has Accessibility permission.
2. Rectangle Pro has Accessibility permission.
3. Terminal has Accessibility permission if testing from Terminal.
4. Rectangle URL actions work.

5. Rectangle action names match the config file.

Test Rectangle directly:

```
open "rectangle://execute-action?name=almost-maximize"
```

If that does nothing, Rectangle URL actions or local action names need attention.

## If Apps Open On The Wrong Desktop

Check Dock assignment:

1. Right-click the app icon in the Dock.
2. Choose Options.
3. Choose Assign To.
4. Set it to None.

## If Spaces Jump Around

Open:

```
System Settings > Desktop & Dock > Mission Control
```

Use:

| Setting                                                                                   | Value |
|-------------------------------------------------------------------------------------------|-------|
| Displays have separate Spaces                                                             | ON    |
| Automatically rearrange Spaces based on most recent use                                   | OFF   |
| When switching to an application, switch to a Space with open windows for the application | OFF   |

Log out and back in after changing Displays have separate Spaces.

Avoid full-screen app Spaces.

## What To Tweak First

Edit:

```
/Users/jefffranken/dev/dragon-mac-command-center/config/dragon-mac-command-center.conf
```

Start with:

1. DRAGON\_PREFERRED\_BROWSER
2. App name candidates for Teams, Outlook, Word, Excel, ChatGPT, and Cursor
3. DRAGON\_WINDOW\_PLACEMENT\_ENABLED
4. Rectangle action names
5. Delays
6. Mode URL lists

## Recovery Move

If anything behaves strangely:

```
cd /Users/jefffranken/dev/dragon-mac-command-center  
DRAGON_DRY_RUN=1 ./raycast/clean-desk.sh
```

Then either fix the config or temporarily disable placement:

```
DRAGON_WINDOW_PLACEMENT_ENABLED=false
```

The system is designed to be understandable and easy to tweak. Reliability beats cleverness.

## Regenerate This PDF

After editing this guide, regenerate the Desktop PDF:

```
cd /Users/jefffranken/dev/dragon-mac-command-center  
python3 tools/build-how-to-pdf.py
```