# Polymarket Terminal - Complete Setup Guide

## 📦 Complete File Structure

Create this exact folder structure at `C:\Users\turner\Downloads\claude111\`:

```
C:\Users\turner\Downloads\claude111\
│
├── app.py                    [Main entry point - see artifact]
├── requirements.txt          [Dependencies - see artifact]
├── run.bat                   [Windows launcher - see artifact]
├── README.txt                [User documentation - see artifact]
├── config.yaml               [Auto-created on first run]
│
├── core\
│   ├── __init__.py           [Empty file]
│   ├── config.py             [Configuration manager - see artifact]
│   ├── polymarket.py         [Polymarket API client - see artifact]
│   ├── sources.py            [Feed sources - see artifact]
│   ├── cache.py              [Caching system - see artifact]
│   └── log.py                [Logging setup - see artifact]
│
├── ui\
│   ├── __init__.py           [Empty file]
│   └── dashboard.py          [Textual UI - see artifact]
│
├── cache\                    [Auto-created]
├── logs\                     [Auto-created]
└── venv\                     [Auto-created]
```

## 🚀 Installation Steps

### Step 1: Create Folder Structure

batch

```
cd C:\Users\turner\Downloads
mkdir claude111
cd claude111
mkdir core
mkdir ui
mkdir cache
mkdir logs
```

## Step 2: Create Empty init.py Files

batch

```batch
type nul > core\__init__.py
type nul > ui\__init__.py
```

## Step 3: Copy All Python Files

Copy the content from each artifact into the corresponding file:

1. **app.py** - Main application entry point
2. **requirements.txt** - Python dependencies
3. **run.bat** - Windows batch launcher
4. **README.txt** - User documentation
5. **core/config.py** - Configuration management
6. **core/polymarket.py** - Polymarket API client
7. **core/sources.py** - News and Twitter feeds
8. **core/cache.py** - Caching system
9. **core/log.py** - Logging configuration
10. **ui/dashboard.py** - Terminal UI dashboard

## Step 4: First Run

Simply double-click `run.bat`. The application will:

1. ✅ Check for Python installation
2. ✅ Create virtual environment (if missing)
3. ✅ Install all dependencies automatically
4. ✅ Create config.yaml with default settings
5. ✅ Create cache/ and logs/ directories
6. ✅ Launch the terminal UI

## ⚙️ Configuration

### Default Wallet

The app monitors wallet: `0x165Ab23404f12a077c45426a36EDCE442347B477`

To change it, edit `config.yaml`:

📋 ✓

yaml

```yaml
wallet_address: "YOUR_WALLET_ADDRESS_HERE"
```

### Custom Topics

Add or modify topics in `config.yaml`:

📋 ✓

yaml

```yaml
topics:
  - key: "custom_topic"
    title: "My Custom Market"
    markets: []
    keywords:
      - "keyword search"
      - "another search term"
      - '"exact phrase match"'
```

### Refresh Rate

Adjust update frequency (5-300 seconds):

📋 ✓

yaml

```yaml
refresh_seconds: 15  # Update every 15 seconds
```

# 🎮 Usage

## Keyboard Controls

| Key | Action |
|---|---|
| ← / → | Switch between tabs |
| R | Force refresh now |
| + / - | Adjust refresh speed |
| / | Search/navigate |
| E | Edit tab (reminder) |
| Q | Quit application |

## Status Bar

The top status bar shows:

- ✅ Last update timestamp
- 📊 Number of markets loaded
- ⏱️ Seconds until next refresh
- ❌ Any error messages

# 🔧 Troubleshooting

## Python Not Found

batch

```batch
# Download from python.org
# Install Python 3.10 or higher
# Check "Add to PATH" during installation
```

## Dependencies Won't Install

batch

```batch
cd C:\Users\turner\Downloads\claude111
venv\Scripts\activate
pip install --upgrade pip
pip install -r requirements.txt
```

### No Data Appearing

1. Check internet connection
2. Review `logs\polyterm.log`
3. Wait 30 seconds for initial cache
4. Try manual refresh (press `R`)

### Rate Limited

The app automatically:

- Rotates through Nitter instances
- Backs off when rate limited
- Shows cached data when APIs unavailable

### Config Validation

batch

```batch
python app.py --check
```

This will validate your config.yaml and show all topics.

## 📊 Data Flow

```
[Polymarket API] → [Cache] → [Markets Table]
[Nitter RSS]     → [Cache] → [Headlines Panel]
[Google News]    → [Cache] → [Headlines Panel]
```

**Cache TTLs:**

- Markets: 2 minutes
- Feeds: 30 minutes

## 🔒 Security Notes

### ✅ Safe:

- Read-only wallet monitoring
- Public API endpoints only
- No private keys needed
- Local processing only

⚠️ **Important:**

- Never share your config.yaml if it contains sensitive data
- Wallet address monitored is READ-ONLY
- No transactions can be made through this app

## 📝 Log Files

Location: `logs\polyterm.log`

The log file contains:

- Application startup/shutdown
- Data fetch operations
- Cache hits/misses
- Rate limit events
- Error stack traces

Logs automatically rotate (3 files × 2MB each).

## 🎯 Features Checklist

- ✅ Auto-install dependencies
- ✅ Auto-create directories
- ✅ Auto-generate config
- ✅ Wallet position tracking
- ✅ Real-time market data
- ✅ Twitter/X monitoring
- ✅ Google News integration
- ✅ Smart caching
- ✅ Rate limit handling
- ✅ Tabbed interface
- ✅ Keyboard navigation
- ✅ Error recovery
- ✅ Rotating logs
- ✅ Dark theme UI

## 🚀 Quick Test

After setup, verify everything works:

1. Double-click `run.bat`
2. Wait for "✅ Updated" in status bar
3. Press `→` to switch tabs
4. Press `R` to refresh
5. Check `logs\polyterm.log` for any errors

# 📞 Getting Help

1. Check `logs\polyterm.log` for detailed errors
2. Run `python app.py --check` to validate config
3. Review README.txt for troubleshooting steps
4. Ensure Python 3.10+ is installed and in PATH

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**Ready to run!** Just double-click `run.bat` and the application will handle the rest. 🎉