

ArbitrageAndy Terminal Dashboard v2.0 — Command Cheatsheet

🔑 Your Credentials (Pre-configured)

```
Telegram Token: 8265645907:AAHj3GsxBxm3tuwOZIC5bA0Yov9nnvnKyg
```

```
Chat ID: 7359674814
```

```
Bot: @ArbitrageAndy_bot
```

📁 Navigate to Project Folder

```
bash
```

```
cd /Users/admin/Documents/florian/coding/Crypto_PriceDataFetch
```

▶ Start Dashboard

Foreground (see logs in terminal)

```
bash
```

```
cd /Users/admin/Documents/florian/coding/Crypto_PriceDataFetch
```

```
python3 terminal_dashboard.py
```

Background (runs 24/7)

```
bash
```

```
cd /Users/admin/Documents/florian/coding/Crypto_PriceDataFetch
```

```
nohup python3 terminal_dashboard.py > dashboard.log 2>&1 &
```

Access Dashboard

Local (same computer)

```
http://localhost:8080
```

From another device on your network

```
bash  
  
# First, find your Mac's IP address  
ipconfig getifaddr en0
```

Then open: `(http://YOUR_IP:8080)` (e.g., <http://192.168.1.100:8080>)

Stop Dashboard

If running in foreground

```
Press Ctrl+C in the terminal
```

If running in background

```
bash  
  
pkill -f terminal_dashboard
```

Monitor Dashboard

Check if running

```
bash  
  
pgrep -fl terminal_dashboard
```

View live logs

```
bash
```

```
tail -f /Users/admin/Documents/florian/coding/Crypto_PriceDataFetch/dashboard.log
```

View last 50 lines

```
bash
```

```
tail -n 50 /Users/admin/Documents/florian/coding/Crypto_PriceDataFetch/dashboard.log
```

⌚ Dashboard Controls (Web UI)

Button	Action
▶ Start Bot	Start price monitoring + Telegram alerts
■ Stop Bot	Stop monitoring
📤 Send Test Alert	Send test message to Telegram

⚙️ Dashboard Settings (Web UI)

Setting	Default	Description
Spread Alert %	0.2	Alert when spread exceeds this
Check Interval (s)	15	Seconds between price checks
Alerts Enabled	✓ ON	Toggle Telegram alerts

📈 Dashboard Features

Section	Description
Ticker Tape	Live prices for BTC, ETH, SOL with 24h change
Price Cards	Per-asset prices from each exchange
Spread Chart	Historical spread visualization

Section	Description
Session Stats	Checks, alerts sent, uptime, max spread
Recent Alerts	Log of Telegram alerts sent

🔗 Quick Copy-Paste Commands

Start dashboard (foreground)

```
bash
```

```
cd /Users/admin/Documents/florian/coding/Crypto_PriceDataFetch && python3 terminal_dashboard.py
```

Start dashboard (background)

```
bash
```

```
cd /Users/admin/Documents/florian/coding/Crypto_PriceDataFetch && nohup python3 terminal_dashboard.py > dashboard.l
```

Stop dashboard

```
bash
```

```
pkill -f terminal_dashboard
```

Check if running

```
bash
```

```
pgrep -fl terminal_dashboard
```

Open in browser (macOS)

```
bash
```

```
open http://localhost:8080
```

Troubleshooting

Dashboard won't start

```
bash
```

```
# Check if port 8080 is in use
```

```
lsof -i :8080
```

```
# Kill process using port 8080
```

```
kill -9 $(lsof -t -i :8080)
```

```
# Try starting again
```

```
python3 terminal_dashboard.py
```

Can't access from another device

```
bash
```

```
# Check firewall isn't blocking port 8080
```

```
# On macOS: System Preferences → Security & Privacy → Firewall
```

```
# Verify your IP
```

```
ipconfig getifaddr en0
```

Bot not sending Telegram messages

```
bash
```

```
# Test Telegram connection manually
```

```
curl -X POST "https://api.telegram.org/bot8265645907:AAHj3GsxBxm3tuwOZIC5bA0Yov9nnvnKyg/sendMessage" \
-H "Content-Type: application/json" \
-d '{"chat_id": "7359674814", "text": "Test from terminal"}'
```

View errors in log

```
bash
```

```
cat /Users/admin/Documents/florian/coding/Crypto_PriceDataFetch/dashboard.log | grep -i error
```

Run Everything Together

Start all services (dashboard + CSV logging)

```
bash

cd /Users/admin/Documents/florian/coding/Crypto_PriceDataFetch

# Start dashboard (includes bot)
nohup python3 terminal_dashboard.py > dashboard.log 2>&1 &

# Start CSV price logging (separate)
nohup python3 crypto_multi_checker.py btc eth sol \
--watch --interval 15 \
--output btc_eth_sol_prices.csv \
> multi_watch.log 2>&1 &
```

Check all running processes

```
bash

pgrep -f "terminal_dashboard\crypto_multi\telegram_alerts"
```

Stop all services

```
bash

pkill -f "terminal_dashboard\crypto_multi\telegram_alerts"
```

All Project Files

File	Purpose
terminal_dashboard.py	Web dashboard with bot controls
telegram_alerts.py	CLI Telegram alert bot
crypto_price_checker.py	Single asset price checker
crypto_multi_checker.py	Multi-asset price checker
live_chart.py	Matplotlib live chart
web_chart.py	Browser-based live chart

URLs Reference

URL	Description
http://localhost:8080	Main dashboard
http://localhost:8080/api/data	JSON price data
http://localhost:8080/api/start	Start bot (POST)
http://localhost:8080/api/stop	Stop bot (POST)
http://localhost:8080/api/test	Send test alert (POST)
http://localhost:8080/api/settings	Update settings (POST)

Pro Tips

Auto-start on Mac boot

```
bash
```

```
# Create a launch agent
cat > ~/Library/LaunchAgents/com.arbitrageandy.dashboard.plist << 'EOF'
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
    <key>Label</key>
    <string>com.arbitrageandy.dashboard</string>
    <key>ProgramArguments</key>
    <array>
        <string>/usr/bin/python3</string>
        <string>/Users/admin/Documents/florian/coding/Crypto_PriceDataFetch/terminal_dashboard.py</string>
    </array>
    <key>RunAtLoad</key>
    <true/>
    <key>KeepAlive</key>
    <true/>
    <key>StandardOutPath</key>
    <string>/Users/admin/Documents/florian/coding/Crypto_PriceDataFetch/dashboard.log</string>
    <key>StandardErrorPath</key>
    <string>/Users/admin/Documents/florian/coding/Crypto_PriceDataFetch/dashboard_error.log</string>
</dict>
</plist>
EOF
```

Load it

```
launchctl load ~/Library/LaunchAgents/com.arbitrageandy.dashboard.plist
```

Unload auto-start

```
bash
```

```
launchctl unload ~/Library/LaunchAgents/com.arbitrageandy.dashboard.plist
rm ~/Library/LaunchAgents/com.arbitrageandy.dashboard.plist
```