

Performance Optimization Guide

Troubleshooting & Optimizing Signal Pilot Indicators

Introduction

This guide helps you optimize Signal Pilot indicator performance in TradingView, troubleshoot common issues, and ensure the best trading experience.

Part 1: TradingView Performance Basics

System Requirements

Minimum: - Modern web browser (Chrome, Firefox, Edge) - 4GB RAM - Stable internet connection

Recommended: - Chrome or Firefox (latest version) - 8GB+ RAM - Wired internet or strong WiFi

Browser Optimization

Chrome optimization: 1. Clear cache regularly (Settings → Privacy → Clear browsing data) 2. Disable unnecessary extensions 3. Enable hardware acceleration (Settings → System) 4. Limit tabs to 10-15 maximum

Firefox optimization: 1. Clear cache (Options → Privacy & Security) 2. Disable unused add-ons 3. Enable hardware acceleration 4. Use containers for tab management

Part 2: TradingView Settings

Chart Performance Settings

Access: Chart settings → Performance

SETTING	RECOMMENDED	IMPACT
Max bars	5000-10000	Fewer = faster
Precision	Auto	Auto adjusts
Animations	Off	Improves speed
Extended hours	Off (unless needed)	Reduces data load

Indicator Limits

TradingView limits: - **Free:** 3 indicators per chart - **Pro:** 5 indicators per chart - **Pro+:** 10 indicators per chart - **Premium:** 25 indicators per chart

Tip: Use fewer, more powerful indicators rather than many overlapping ones.

Part 3: Signal Pilot Indicator Optimization

Reducing Indicator Load

Option 1: Consolidate

Instead of:

- Pentarch
- Janus Atlas
- Plutus Flow
- Volume Oracle
- Harmonic Oscillator

Use for different chart layouts:

- Main chart: Pentarch + Janus Atlas
- Second chart: Plutus Flow only

Option 2: Disable unused features

Pentarch settings:

- Show NanoFlow: Off (if not using)
- Show Label Text: Off (if using colors only)

Janus Atlas settings:

- Reduce lookback period
- Show fewer historical pools

Plutus Flow settings:

- Disable CVD if not using
- Reduce profile resolution

Optimal Settings by System

Low-end system:

- Use 2-3 indicators max
- Reduce lookback periods to minimums
- Disable visual elements not being used
- Use single chart layout

Mid-range system:

- Use 4-5 indicators
- Standard lookback periods
- Keep essential visual elements
- 2-chart layout acceptable

High-end system:

- Full indicator stack
- Longer lookback periods
- All visual elements enabled
- Multi-chart layouts

Part 4: Common Issues & Solutions

Issue 1: Indicators Not Loading

Symptoms: - Indicator doesn't appear on chart - "Error loading study" message - Blank indicator panel

Solutions: 1. Refresh the page (F5) 2. Clear browser cache 3. Remove and re-add the indicator 4. Check indicator access (invite-only permissions) 5. Try different browser

Issue 2: Slow Chart Loading

Symptoms: - Chart takes 10+ seconds to load - Indicators lag behind price - Scrolling is choppy

Solutions: 1. Reduce number of indicators 2. Decrease max bars setting 3. Close unnecessary tabs 4. Check internet speed 5. Try incognito mode (rules out extensions)

Issue 3: Signals Not Appearing

Symptoms: - Expected signals not showing - Historical signals visible but not recent - Some symbols show signals, others don't

Solutions: 1. Check timeframe (higher TF = fewer signals) 2. Verify settings not filtering signals 3. Ensure asset has enough history/volume 4. Check regime sensitivity settings 5. Reload indicator

Issue 4: Display Issues

Symptoms: - Colors not showing correctly - Labels overlapping - Chart elements misaligned

Solutions: 1. Adjust chart zoom level 2. Check color scheme settings 3. Toggle dark/light mode 4. Adjust indicator visual settings 5. Try different browser

Part 5: Lookback Period Optimization

Understanding Lookback

Longer lookback = More history analyzed = Slower but potentially more accurate
Shorter lookback = Less history = Faster but potentially noisier

Recommended Lookbacks by Timeframe

TIMEFRAME	SHORT (FAST)	STANDARD	LONG (SMOOTH)
1m-5m	10	14	20
15m-1H	14	20	30
4H-Daily	20	30	50
Weekly+	14	20	30

Indicator-Specific Optimization

Pentarch:

Standard: Default settings optimal
For speed: Disable NanoFlow
For clarity: Increase regime sensitivity to Rock Solid

Janus Atlas:

Standard: Lookback 20
For speed: Lookback 15, reduce HTF pools shown
For depth: Lookback 30, show all TF pools

Plutus Flow:

```
Standard: Default
For speed: Disable profile, reduce OBV smoothing
For depth: Enable all features
```

Part 6: Multi-Chart Optimization

Layout Performance Tips

2-chart layout: - Limit each chart to 2-3 indicators - Consider different indicators per chart - Sync only what's necessary (symbol vs. interval)

4+ chart layout: - Limit to 1-2 indicators per chart - Use Augury Grid instead of multiple individual charts - Consider Premium subscription for more indicators

Efficient Multi-TF Setup

Instead of:

```
4 charts, each with 5 indicators = 20 indicator instances
```

Do:

```
2 charts:
- Main chart: 3 indicators
- HTF chart: 2 indicators
= 5 indicator instances (much faster)
```

Part 7: Data & Symbol Considerations

Asset-Specific Performance

High-volume assets (faster): - BTC, ETH - SPY, QQQ, AAPL - EURUSD, GBPUSD

Low-volume assets (slower/less reliable): - Small cap stocks - Exotic forex pairs - Low-volume altcoins

Reason: More data points, better indicator calculations, more liquidity for accurate signals.

Exchange Selection

Best practice: - Use primary exchange data - Avoid aggregated feeds if possible - For crypto: Use your actual trading exchange

Part 8: Alert Optimization

Alert Performance

Too many alerts can slow down TradingView.

Guidelines: - Limit alerts to 20-50 (depending on plan) - Group similar alerts - Use webhook for high-frequency needs - Delete expired or unused alerts

Alert Types

ALERT TYPE	PERFORMANCE IMPACT
Crossing value	Light
Indicator condition	Moderate
Multi-condition	Heavy
Webhook	Light (on TradingView)

Part 9: Troubleshooting Checklist

Quick Diagnostics

- ☐ Is internet connection stable?
- ☐ Is browser up to date?
- ☐ Are other heavy tabs closed?
- ☐ Has cache been cleared recently?
- ☐ Are extensions disabled for testing?
- ☐ Is hardware acceleration enabled?

Indicator Diagnostics

- ☐ Is indicator access valid (invite-only)?
- ☐ Are settings within reasonable ranges?
- ☐ Is timeframe appropriate for the indicator?
- ☐ Is asset liquid enough for reliable signals?
- ☐ Are there too many indicators on the chart?

Last Resort Steps

1. Remove all indicators
2. Clear all browser data
3. Log out and log back into TradingView
4. Re-add indicators one by one
5. If issue persists, contact TradingView support

Part 10: Contact & Support

Signal Pilot Support

For indicator-specific issues: - Discord: #support channel - Email: [Support email] - Documentation: signalpilot.io/docs

When contacting support, include: - Browser and version - TradingView subscription level - Screenshot of the issue - Steps to reproduce - Asset and timeframe used

TradingView Support

For platform issues: - Help Center: TradingView Help - Community forums - Direct support (Pro+ and above)

Part 11: Best Practices Summary

Daily Habits

- [] Close unused tabs before trading
- [] Use bookmark for TradingView (avoid multiple instances)
- [] Clear cache weekly

Setup Habits

- [] Limit indicators per chart (3-5)
- [] Save optimal layouts
- [] Test settings changes before live trading

Troubleshooting Habits

- [] Try refresh first (F5)
- [] Try incognito mode for testing
- [] Document issues for support

Part 12: Performance Optimization Checklist

Browser Level

- ☐ Browser updated to latest version
- ☐ Cache cleared (last 7 days minimum)
- ☐ Hardware acceleration enabled
- ☐ Unnecessary extensions disabled
- ☐ Tabs limited to 15 or fewer

TradingView Level

- ☐ Max bars set to 5000-10000
- ☐ Animations disabled
- ☐ Extended hours off (unless needed)
- ☐ Unused alerts deleted
- ☐ Layouts saved and organized

Indicator Level

- ☐ Only necessary indicators enabled
- ☐ Lookback periods optimized
- ☐ Unused visual features disabled
- ☐ Multi-chart indicators distributed

For additional support, visit Discord or email support.

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