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: Distribute indicators across charts

```
Signal Pilot indicators have internally optimized parameters.
To reduce load:
- Use fewer indicators per chart
- Spread indicators across multiple chart layouts
- Only display indicators you're actively using
```

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 alert toggles are enabled 3. Ensure asset has enough history/volume 4. Try a more volatile asset (BTC, SPY) 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 Notes

Pentarch:

```
Detection parameters are internally optimized
User settings: Alert toggles, color palette, label size
Performance tip: Use on 1H+ timeframes for fewer signals
```

Janus Atlas:

```
60+ level types available across 9 categories
Disable level groups you don't use (VWAP, Fib, etc.)
```

Plutus Flow:

```
Enhanced OBV with flow ribbons and divergence detection
Toggle visual settings as needed
FlipGuard settings for signal quality
```

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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