






Pentarch Quick Reference Card

The 5 Signals + Supporting Components




The 5 Event Signals

| SIGNAL | COLOR | CYCLE PHASE | WHAT IT INDICATES |
|------------------------|--|-------------|------------------------------|
| TD (Touchdown) |  Purple | Early-Cycle | Reversal conditions forming |
| IGN (Ignition) |  Blue | Early-Cycle | Momentum breakout conditions |
| WRN (Warning) |  Yellow | Late-Cycle | Weakening momentum |
| CAP (Climax) |  Orange | Late-Cycle | Exhaustion conditions |
| BDN (Breakdown) |  Red | Transition | Bearish breakdown conditions |

Signal Flow (Ideal Cycle)





The Pilot Line (PL)

| COLOR | MEANING | INTERPRETATION |
|---|------------------|---------------------------------|
|  Green | Strong uptrend | Momentum rising, trend healthy |
|  Red | Strong downtrend | Momentum falling, trend healthy |
|  Orange | Transitional | Momentum easing, caution |

Key Uses: - Reference point for all signals - Dynamic support/resistance - Trend direction indicator

Regime Bar Colors

| CANDLE COLOR | REGIME | CONTEXT |
|---|-------------|-------------------------------|
|  Green candles | Bull regime | Early-cycle signals preferred |
|  Red candles | Bear regime | Late-cycle signals preferred |
| Special colors | Event fired | Signal overrides regime color |

3-Factor Voting: 1. EMA34 vs EMA55 2. Price vs Pilot Line 3. Pilot Line slope

NanoFlow Crosses

| CROSS | POSITION | MEANING |
|----------|--------------|---------------------------|
| × Green | Below candle | Micro bull momentum |
| × Red | Above candle | Micro bear momentum |
| No cross | — | Choppy/unclear conditions |

Use For: Trend health assessment, signal validation

Signal-by-Signal Details

TD (Touchdown)

- **Fires:** Bear regime, near/below Pilot Line
- **Indicates:** Early-cycle reversal conditions
- **Look For:** Selling exhaustion, failed new lows
- **Validate With:** Green NanoFlow appearing after

IGN (Ignition)

- **Fires:** Bear regime OR bull pullback
- **Indicates:** Momentum breakout conditions
- **Look For:** Volume expansion, reclaim of structure
- **Validate With:** Consistent green NanoFlow

WRN (Warning)

- **Fires:** Bull regime, extended above Pilot Line
- **Indicates:** Weakening momentum
- **Look For:** Slowing advance, divergences
- **Validate With:** NanoFlow stops appearing

CAP (Climax)

- **Fires:** Bull regime, far above Pilot Line
- **Indicates:** Late-cycle exhaustion
- **Look For:** Blow-off top behavior, extreme extension
- **Validate With:** Red NanoFlow appearing

BDN (Breakdown)

- **Fires:** After WRN/CAP, losing Pilot Line
- **Indicates:** Bearish breakdown conditions
- **Look For:** Failed rally, structure break
- **Validate With:** Regime flip to red

Regime Context Matrix

| SIGNAL | IN CORRECT REGIME | COUNTER-REGIME |
|--------|--------------------|-----------------------|
| TD | Standard setup | Dip buy in uptrend |
| IGN | Standard breakout | Pullback continuation |
| WRN | Standard warning | Bear rally fade |
| CAP | Standard climax | Rarely fires |
| BDN | Standard breakdown | Follows CAP |

Signal Frequency (1H Chart)

| Component | Frequency | Purpose |
|-----------|-----------|-------------------------|
| NanoFlow | 10-30/day | Micro momentum tracking |
| TD | 1-3/day | Reversal setups |
| IGN | 1-2/day | Breakout conditions |
| WRN | 1-2/day | Exhaustion warning |
| CAP | 0-1/day | Climax conditions |
| BDN | 0-1/day | Breakdown confirmation |

Adjustable Settings

Pentarch has limited user-adjustable settings by design—detection parameters are internally optimized.

| Setting | Options | Description |
|---------------|------------------------|--|
| Alert Toggles | On/Off for each signal | Enable alerts for TD, IGN, WRN, CAP, BDN |
| Color Palette | 5 presets | Choose color scheme or customize |
| Label Size | Small/Medium/Large | Adjust signal label size |

The 4-Layer Reading System

Layer 1: PILOT LINE → Where is trend?
Layer 2: REGIME COLOR → What's the bias?
Layer 3: NANOFLOW → How's momentum?
Layer 4: EVENT SIGNALS → What's the indication?

Read Order: Start at Layer 1, work down to Layer 4

Common Signal Combinations

| SEQUENCE | INTERPRETATION |
|-------------------|--------------------------------------|
| TD → IGN | Strong reversal underway |
| WRN → CAP | Exhaustion intensifying |
| CAP → BDN | Top confirmed, breakdown active |
| TD → TD | Failed first attempt, stronger setup |
| IGN → WRN (quick) | Weak breakout, caution |

Red Flags (Low Quality Signals)

- Signal without volume confirmation
- Counter-regime signal without extreme conditions
- Signal during choppy NanoFlow (green/red alternating)
- Multiple signals in short time (uncertainty)
- Signal against higher timeframe trend

Best Practices

1. **Wait for closed bars** — Signals only valid on close
 2. **Check multi-timeframe** — Align with HTF trend
 3. **Use NanoFlow validation** — Momentum should support
 4. **Respect regime** — Trade with the structural bias
 5. **Combine with Janus/Plutus** — Multi-indicator confluence
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Non-Repainting Guarantee

- All signals render on bar close only
 - What you see is locked in permanently
 - No recalculation on future bars
 - Bar replay testing available
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