

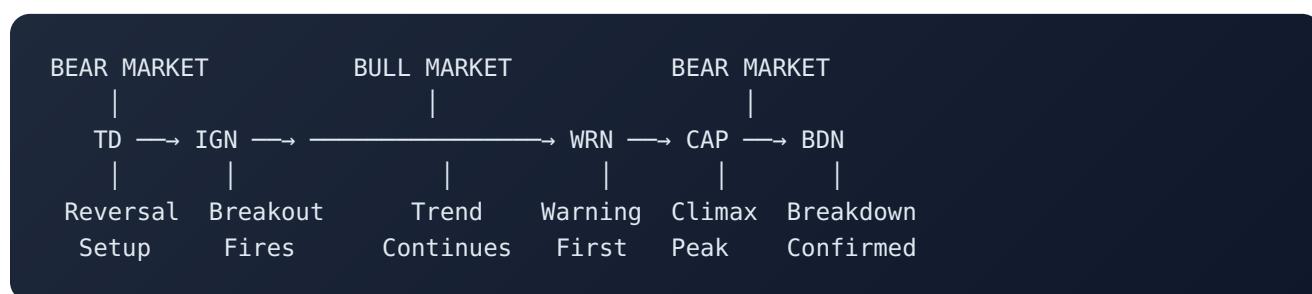
# Pentarch Quick Reference Card

# The 5 Signals + Supporting Components

## The 5 Event Signals

SIGNAL	COLOR	CYCLE PHASE	WHAT IT INDICATES
<b>TD</b> (Touchdown)	Purple	Early-Cycle	Reversal conditions forming
<b>IGN</b> (Ignition)	Blue	Early-Cycle	Momentum breakout conditions
<b>WRN</b> (Warning)	Yellow	Late-Cycle	Weakening momentum
<b>CAP</b> (Climax)	Orange	Late-Cycle	Exhaustion conditions
<b>BRN</b> (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

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## Signal-by-Signal Details

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### 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

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- 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

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- 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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