

TOUCH OF MIDAS

The Buyer's Manual

Everything your EA does, explained in plain language.

CGE TRADING

WELCOME

Thank you for buying Touch of MIDAS.

This manual walks you through every feature and setting so you can configure the EA to match your trading style and risk plan.

You don't need to read it cover-to-cover. Use the table of contents to jump to what you need — or skip straight to *Recommended Setups* at the back if you just want a solid starting configuration to copy.

What this manual is

Every input parameter exposed in the EA's Properties dialog, grouped by section exactly as they appear in MetaTrader. For each one: what it does, when to use it, and what to watch out for.

THE BIG IDEA

Three things, done well.

1. Finds key levels automatically.

Touch of MIDAS identifies pivot highs and lows in price history and projects MIDAS VWAP curves forward from each one. These curves are well-known institutional support and resistance lines — they capture the volume-weighted average price from a swing onward, which often acts as a magnet for price. The EA draws these continuously and updates them as new bars form.

2. Arms trades at those levels.

When price touches a curve, you get a one-click Buy or Sell button right on the chart at the level. Click to arm it. The EA fires a real market order the moment the touch confirms — or you can fire immediately. You stay in control of *which* levels to arm and at *what* lot size.

3. Manages the trade with discipline.

Once you're in, the EA watches the curve. If price breaks through (invalidating the level), the position auto-closes — no second-guessing your stop. On top of that: daily P&L caps, drawdown lock, margin guard, session filters, day-of-week filter, max-concurrent-positions, max-spread filter. Every protection a prop-firm trader needs is built in and switchable.

Discretion + execution

Touch of MIDAS doesn't take your discretion away. It takes the slow, click-heavy execution work and the 'did I remember to close that' anxiety away. You pick the trades; the EA handles the mechanics.

Native CGE Trading Suite compatibility

Touch of MIDAS is the matched companion to the **CGE Trading Suite** indicator. When both are loaded on the same chart, they coordinate automatically: the Suite's MIDAS-Hawkins layer yields to the EA so curves aren't painted twice, the Suite's Quick Search hides to avoid UI overlap, and panel z-ordering stays clean. No configuration needed — detection is automatic via heartbeat. The EA also works standalone if the Suite isn't installed.

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SECTION 01

The MIDAS Engine

The core of the product. Pivots become anchors. Anchors become curves. Curves become tradeable levels.

A MIDAS curve is a volume-weighted average price calculated from a specific anchor bar onward. Anchored at a swing low, it traces an upward-sloping support line. Anchored at a swing high, a downward-sloping resistance. Price tends to respect these levels because they represent the 'fair value' the market has paid since that pivot — institutions watch them, and so should you.

- **Pivot Strength**

How many bars left *and* right a bar must be the local extreme to qualify as a pivot. A bar is a pivot high if its high is strictly above all neighbors within the lookback; pivot low is the mirror.

Tuning guidance

Lower (2–3): more pivots, more curves, busier chart, catches finer structure. **Higher (8–13):** only major swings, cleaner chart, fewer false anchors. **Default 5** works well across all timeframes.

- **Max Support Curves**

Maximum number of MIDAS Support curves drawn from pivot lows. The EA keeps the **N most recent** qualifying pivot lows. As newer pivots form, older ones roll off the chart.

- **Max Resistance Curves**

Same as above, but for resistance curves from pivot highs. The two caps are independent — you can keep 1 support and 10 resistance, or vice versa, depending on which side you're trading.

SECTION 02

TopFinder & BottomFinder

Where the trend runs out of steam. TB-F curves project the exhaustion point of an ongoing move — the price where the move statistically dies.

Each TopFinder curve fits a downward arc that converges with price near the projected top. BottomFinder does the same for projected bottoms. As the move progresses, the percent label at the end of each curve fills toward 100% — when it hits, the curve forecasts exhaustion. Pair these with the MIDAS S/R curves to find high-confluence levels.

- **Max TB-F Curves per Side**

Maximum top-finder + bottom-finder curves per side. Like S/R, the EA keeps the most recent qualifying anchors.

- **TB-F Percent Label Color**

Color of the percentage label at the end of each TB-F curve. The label shows progress toward projected exhaustion (0% just spawned — 100% exhaustion reached).

- **TB-F Calculation Mode**

Bar Close — curves recompute only when each new bar closes. Stable, no intra-bar wobble. Recommended for most traders.

Every Tick — curves recompute on every tick. More responsive but visually busier and slightly heavier on CPU. Useful for scalpers watching intra-bar dynamics.

SECTION 03

One-Click Trading

The execution layer. Curve touches become tradeable. The EA handles the order, the EA handles the exit on curve break.

When price reaches a MIDAS curve, a small **Buy** or **Sell** button appears on the chart at that level. Click it once to arm the level. The EA fires a real market order the moment the touch confirms — no second click needed. Each curve gets its own arm slot, so multiple levels can be armed independently across symbols and timeframes.

- **Default Lot Size**

Lot size used when firing a curve-touch order. **Per-slot overrides** are available: click the small lot-edit field next to any Buy/Sell button on the chart to set a different size for that specific curve. Per-slot edits persist across restarts.

Sizing guidance

Forex majors: 0.10 is a typical scaling-account default. **Prop firm challenges:** scale to your daily loss cap — e.g., 1% of balance ÷ (curve-to-SL distance in pips × pip value). **Indices / crypto:** usually 0.01–0.10 depending on contract size.

- **Auto-Close on Break**

When ON, an open position automatically closes the moment its anchoring MIDAS curve breaks (price closes through it on the wrong side). The curve being violated invalidates the thesis for the trade, so the EA exits without you needing to be at the screen.

When to turn this off

Leave ON for systematic curve-following: every trade has a built-in invalidation rule. Turn OFF if you're running a discretionary exit plan (your own stop-losses, news exits, etc.) and don't want the EA closing trades on you.

SECTION 04

The Armed Levels Panel

Your command center for every armed level across every symbol and timeframe.

The on-chart panel shows every armed level at a glance: symbol, timeframe, side (S or R), level price, distance to current price, and per-row controls (disarm with the X, edit lot size, toggle alerts). Hover any row and the matching curve-touch button on the chart lights up — hover the chart button and the matching row lights up. Two-way visual bridge so you always know what corresponds to what.

- **Panel Offset X**

Horizontal distance in pixels from the chart's right edge to the panel's right edge. Increase to push the panel away from the price axis.

- **Panel Offset Y**

Vertical distance in pixels from the chart's top edge to the panel's top edge.

Drag it where you want

These offsets only set the *initial* position when the EA loads. You can drag the panel anywhere on the chart at runtime by clicking and holding its header. Your dragged position persists across timeframe changes and EA restarts.

SECTION 05

Smart Grid

Psychological round-number levels, drawn automatically at the right scale for the instrument.

Round numbers matter. Stops cluster at them, orders cluster at them, breakout and reversal traders both fade them. The Smart Grid draws faint horizontal lines at the appropriate round-number intervals (000s on indices, 00s on FX, etc.) so you can read structure relative to where the herd lives.

- **Show Smart Grid**

Master switch. OFF disables both the lines and their price labels.

- **Grid Color**

Line color. Aqua reads well on dark themes; try a muted blue or grey on light themes.

- **Grid Text Color**

Color of the price labels at the right edge of each line.

- **Grid Text Size**

Font size in points for the labels. 8–12 covers most monitor and DPI combinations; on 4K monitors you may want 12–14.

SECTION 06

Equity Sparkline

A tiny line chart in the panel footer showing your recent equity trajectory. Daily P&L at a glance.

- **Enable Equity Sparkline**

Master switch. OFF hides the sparkline and reclaims its vertical space in the panel.

- **Sparkline Width**

Number of equity samples shown. Sample count \times sample interval = total time window. **30 samples \times 10s = 5 minutes** of recent history.

- **Sample Interval (seconds)**

Seconds between equity samples. Lower values give finer resolution; the minimum of 10 prevents over-sampling that would burden the timer.

Reading the sparkline

Steep rise = current trades winning fast. Sideways = managing trades that aren't moving. Steep drop = something to address. The sparkline doesn't replace your equity-curve dashboard — it's a passive ambient cue that lives next to your trading.

SECTION 07

Global Alerts (Fire & Break)

Notifications for the two big lifecycle events: a trade fires, a trade closes on curve break.

- **Popup on Fire**

MT5 popup alert when a trade fires.

- **Popup on Break**

MT5 popup alert when a position auto-closes on curve break.

- **Push on Fire**

Push notification to your MetaTrader mobile app when a trade fires. Requires Tools → Options → Notifications to be configured with your MetaQuotes ID.

- **Push on Break**

Push notification to your mobile when a position auto-closes. Useful for monitoring trades away from the desk.

Set this up once

If you're running multiple charts with multiple EAs, push notifications are the difference between knowing a trade fired and finding out an hour later. Configure your MetaQuotes ID once (Tools → Options → Notifications) and forget about it.

SECTION 08

Touch & Sound Alerts

Finer-grained alerts: alerts when a curve is merely *touched* (no trade yet), and a full set of customizable sound files.

Touch Alerts

These fire when price touches a curve but doesn't result in a trade — useful as an early-warning system for 'watch this level forming.'

- **Popup on Touch**

MT5 popup when any active curve is touched.

- **Push on Touch**

Mobile push notification on touch.

- **Touch Alert Sound**

Sound file to play. Must exist in MT5's Sounds/ folder. Empty uses the platform default. Common choices: *alert.wav* (sharp), *alert2.wav* (softer), *news.wav* (chime), *expert.wav* (subtle).

Sound Alerts (Fire / Break / Near)

Independent sound playback layered on top of the popup and push alerts. Three separate sounds for fire, break, and near-trigger.

- **Enable Sounds**

Master switch for all three sound types in this section.

- **Sound on Fire**

Sound played when a trade fires.

- **Sound on Break**

Sound played on curve-break auto-close. *stops.wav* is a deliberate choice — it sounds like an MT5 stop-loss fill so the audio cue matches the event.

- **Sound on Near**

Sound played when price is approaching but hasn't yet touched an armed curve. Useful as a 'get ready' prompt for discretionary traders monitoring multiple levels.

SECTION 09

Execution Guards

Pre-fire safety filters. The EA still checks each one before sending the order — even if you clicked the button. Belt-and-braces protection.

- **Max Spread (pips)**

Skip the fire if the current spread (in pips) exceeds this value. Set to 0 to disable. Protects against rollover-window spread widening, news-spike spreads, and thinly-traded sessions where you'd eat slippage.

Typical values by instrument

Major FX (EURUSD, GBPUSD): 2–5 pips **Minor FX (NZDCAD, AUDCHF):** 5–15 pips **Exotics / indices:** depends heavily on your broker — check your typical resting spread first.

- **Max Concurrent Positions**

Hard cap on total open positions across all symbols. Useful to prevent runaway exposure if many curves fire in rapid succession during a high-volatility move.

- **Max Per-Symbol Positions**

Hard cap on open positions per symbol. Stops the EA from doubling or tripling on the same instrument when multiple curves of the same kind fire close together.

SECTION 10

Daily Risk Limits

Daily P&L thresholds that block new fires when you've hit your cap. Resets at broker daily rollover.

The EA tracks today's realized P&L *plus* the unrealized P&L of open positions, expressed as a percent of your starting-day balance. When you hit either cap, new fires are blocked for the rest of the session. Existing positions are *not* force-closed by these alone — they keep running (see Section 11 for the auto-close variant).

- **Max Daily Loss %**

Block new fires once daily loss hits this percent. Existing positions keep running — give them room to recover.

Prop-firm tip

Set this 1–2 percentage points *below* the broker's official daily-loss rule, giving yourself a buffer for slippage and spread. If the broker says 5%, set Touch of MIDAS to 3.5–4%.

- **Max Daily Gain %**

The discipline cousin of the loss cap. Blocks new fires once daily gain hits this percent. Stops you from giving back a winning day by revenge-trading or 'one more setup' creep.

- **Alert on Daily Guard**

Popup when either daily cap trips. Helpful so you know to stop watching — without it, the EA goes silently dormant for the day.

SECTION 11

Daily Target (Auto-Close on Gain)

Extension of *Max Daily Gain %*. Turns the soft block into a hard quit.

- **Close All on Daily Target**

When ON, the moment *Max Daily Gain %* trips, the EA **also force-closes every open position**, locking in the day's win. Classic prop-firm 'hit-target-and-quit' discipline.

OFF: gain cap is a **soft** block — new fires blocked, existing positions keep running (might give back).

ON: gain cap is a **hard quit** — blocks new fires AND closes everything.

Why no close-on-loss?

There's deliberately no equivalent 'close-all-on-loss' — closing losers automatically when down is a bad pattern (stop-losses are for that). Closing winners on gain is good discipline.

SECTION 12

Drawdown Lock

Trip-and-lock based on equity drawdown from the running peak. Stricter than daily-loss — the peak ratchets up but never down.

- **Enable Drawdown Lock**

Master switch. When tripped, the EA locks for the rest of the session and blocks all new fires.

- **Max Drawdown %**

When equity has dropped this percent from the rolling peak, the lock trips. Useful for prop-firm overall-loss rules (often 10%) — set 1–2 points below the broker's threshold for safety.

- **Alert on Drawdown Lock**

Popup when the lock trips. Visual signal that you've hit the floor and won't fire new trades.

SECTION 13

Account Margin Guard

Live margin-utilization check. Blocks fires that would push margin usage above a configured threshold.

- **Enable Margin Guard**

Master switch.

- **Max Account Margin %**

Maximum allowed margin usage as **used margin ÷ equity × 100**. Default 30 blocks any new fire that would push you above 30% margin usage. Helps avoid getting stop-out close on cascading correlated trades.

Conservative: 15–20 **Moderate:** 30–40 **Aggressive:** 60+

Pre-fire enforcement

The check happens *before* the order is sent. A fire that would cross the cap is silently skipped (logged to the journal if enabled). Your existing positions are never closed by this guard.

SECTION 14

Session Filter

Trade only during the hours you want. Outside the window, levels remain armed but won't fire.

- **Enable Session Filter**

Master switch.

- **Session Start Hour**

First hour fires are allowed. Broker server time. 6 means 06:00 server time onward.

- **Session End Hour**

First **inactive** hour *after* the window. 21 means fires allowed through 20:59:59; nothing from 21:00 onward.

Wrap-around supported

If end < start (e.g., start=22, end=4), the window wraps midnight: active 22:00–03:59. Useful for Asian-session schedules where the window crosses the date boundary.

SECTION 15

Day-of-Week Filter

Whitelist of weekdays on which fires are allowed.

- **Enable Day-of-Week Filter**

Master switch. When OFF, all days are allowed and the individual day toggles are ignored.

- **Trade Monday – Friday**

Allow fires on each respective weekday. Toggle off any day you don't want to trade (e.g., NFP Fridays, FOMC Wednesdays).

- **Trade Saturday / Sunday**

Saturday and Sunday default OFF — only crypto symbols trade these days. Enable selectively for crypto charts.

Common patterns

FX: Mon–Fri ON, Sat–Sun OFF (default). **Crypto:** all 7 ON. **Disciplined news-avoider:** Mon, Tue, Thu ON; Wed (FOMC), Fri (NFP) OFF.

SECTION 16

State Persistence

The armed-levels registry is saved to disk so it survives MT5 restarts, crashes, OS reboots, and chart-template reloads.

- **Enable Persistence**

Master switch. **Strongly recommended ON.** Without it, every restart wipes your armed levels and you start from scratch — not where you want to be after a 4-hour session of careful arming.

- **Persist Filename**

File name in MQL5/Files/ where the registry lives. Override only if you want separate registry files per chart or per account — most users leave the default.

SECTION 17

Trade Journal

Per-event log to CSV: every arm, fire, break, close, edit. Your audit trail for performance review, prop-firm verification, and post-mortem analysis.

- **Enable Journal**

Strongly recommended ON. Disk I/O is async-friendly, cost is negligible, the data is invaluable.

- **Journal Filename**

File name in MQL5/Files/. Override for per-symbol or per-account journals.

SECTION 18

R-Multiple Journal

Trade outcomes expressed in **R** — multiples of the initial risk. The standard performance metric for serious traders.

Every closed trade gets a row in the journal with its realized R value (e.g., +2.3R, -1.0R, +0.4R). The initial risk is captured at fire time: $|\text{entry price} - \text{curve at fire}| \times \text{lot size} \times \text{pip value}$. The R value doesn't change retroactively if the curve moves later — it's locked to the moment you committed.

- **Log R-Multiple**

Master switch. Writes one row per close with the realized R value.

Why R?

Dollar P&L is opaque — a \$200 win means nothing without the risk context. R-multiple normalizes everything: +2R is a 2x risk-reward win regardless of position size or instrument. Track your expectancy in R and the math of your edge becomes visible.

SECTION 19

Playbooks

Named snapshots of the full armed-levels registry. Save a watchlist, recall it instantly — across restarts, accounts, or charts.

Spent two hours arming a careful set of weekly levels? Save the playbook. Want to switch from your London-session setup to your Asian-session setup? Two clicks. Saved snapshots live as plain-text files in MQL5/Files/Touch_of_MIDAS_Playbooks/ and are portable across charts and accounts.

- **Playbook — Save As**

Type a name (e.g., *Q3-WatchList*) into this field in the inputs dialog and click OK to **save** the current armed registry under that name. The field clears automatically after the save.

- **Playbook — Load Name**

Type the name of a previously saved playbook and click OK to **load** it. The current armed registry is replaced — existing levels unarmed first, then the playbook's levels armed.

Suggested naming

Save typical setups once: *EuropeanSession*, *AsianSession*, *FOMC-Day*, *NFP-Week*, *Q4-Earnings*. Switch between them in seconds throughout the day or week.

SECTION 20

Recommended Setups

Three tested configurations covering the most common use cases. Each is a complete trading framework, not just a settings list — configured for risk, audit trail, and execution discipline. Use one as your baseline; tune from there based on your instruments, broker, and personal risk plan.

Universal rule across all three setups

Auto-Close on Break is ON in every recommended setup. The MIDAS curve *is* your stop. When price closes through it, the level has been invalidated and the trade thesis is dead. Auto-Close turns that into automatic execution so you can't hesitate, hope, or 'give it one more bar'.

Prop Firm Challenge (FTMO-style)

For traders running a funded-challenge evaluation. Tight risk caps, defensive guards, full audit trail. The objective is challenge survival first, profit second — the EA enforces both.

Parameter	Recommended Value	Why
Pivot Strength	5	Balanced pivot detection
Max S / R Curves	5 / 5	Sufficient structure context
Default Lot Size	scale to 0.5–1% per trade	Match challenge risk-per-trade rule
Auto-Close on Break	ON	Curve break = invalidated thesis
Max Spread (pips)	5	Skip rollover-window spikes
Max Concurrent Positions	3 to 5	Cap correlated-risk runaway
Max Daily Loss %	buffer below broker rule	e.g., 3.5% if challenge says 5%
Max Daily Gain %	3 to 5	Lock in winning days, walk away
Close All on Daily Target	ON	Hard quit when target hit
Enable Drawdown Lock	ON	Equity-peak insurance

Parameter	Recommended Value	Why
Max Drawdown %	buffer below broker rule	e.g., 8% if challenge says 10%
Margin Guard	ON, 40%	Prevent stop-out cascade
Session Filter	ON, London + NY only	Skip Asia chop, avoid thin liquidity
Persistence	ON	Survive MT5 restarts mid-challenge
Trade Journal	ON	Required for performance review
R-Multiple Log	ON	Quantify expectancy in R

Funded / Live Discretionary Account

For traders running their own capital or a passed funded account without daily-loss broker rules. Looser caps, the EA assists discretion rather than enforces it. Guards are still on — risk management isn't optional just because the rules are.

Parameter	Recommended Value	Why
Pivot Strength	5	Default, balanced
Max S / R Curves	8 / 8	More structure visible at a glance
Default Lot Size	your standard position size	Match your sizing model
Auto-Close on Break	ON	Same discipline applies regardless of account type
Max Spread (pips)	matched to instrument	Tighter on majors, looser on exotics
Max Concurrent Positions	5 to 8	Multi-symbol portfolio cap
Max Daily Loss %	2 to 3	Soft daily survival cap
Max Daily Gain %	0 (no cap)	Let winning days run
Enable Drawdown Lock	ON	Account-level insurance
Max Drawdown %	10 to 15	Wider than challenge, still defined
Margin Guard	ON, 40%	Avoid forced liquidation
Session Filter	OFF or full-day	Trade your hours
Persistence	ON	Don't lose state on restart
Trade Journal	ON	Weekly review is non-negotiable
R-Multiple Log	ON	Track expectancy, not dollar P&L

Scalper / Intraday High-Frequency

For traders working M1–M5 timeframes on liquid majors during London-open and NY-open windows. Faster reactivity, tighter spread filter, fewer curves on chart. Risk discipline matters *more* here, not less — scalpers blow accounts faster than anyone else, and the EA's guards are what keep that from happening.

Parameter	Recommended Value	Why
Pivot Strength	3	More pivots = more curves at intraday speed
Max S / R Curves	3 / 3	Less clutter, faster decisions
Max TB-F Curves per Side	1	Only the freshest exhaustion target
TB-F Calc Mode	Every Tick	Intra-bar response — bar-close is too slow here
Default Lot Size	your standard scalp size	Smaller than swing, sized per trade
Auto-Close on Break	ON	Critical — a scalp trade dies the moment the curve breaks
Max Spread (pips)	1 to 2	Tight — scalping is unviable in wide spreads
Max Concurrent Positions	2 to 3	Don't stack correlated scalps
Max Daily Loss %	1.5 to 2	Cut the day short on a losing run
Cooldown After Loss	ON, 10 min	Prevent revenge trading after a stop-out
Enable Drawdown Lock	ON	Scalpers compound losses fast — this is your circuit breaker
Margin Guard	ON, 50%	Tighter than swing setups, faster reaction
Session Filter	ON, London open + NY open windows	Best liquidity, tightest spreads
Day-of-Week Filter	Skip Fridays	Late-week liquidity erodes scalp edges
Sounds & Push Alerts	ON	Audio + mobile for instant reaction

Parameter	Recommended Value	Why
Persistence	ON	State survives mid-session restarts
Trade Journal	ON	Volume of trades means weekly review is essential
R-Multiple Log	ON	High-frequency edges live or die on expectancy

Scalper's honest warning

Touch of MIDAS works best on M15 and higher where MIDAS curves have time to form clean structure. Scalping on M1 is viable but demands more discipline, not less. If you're not consistent on higher timeframes, scalping won't fix it — it will magnify the inconsistency. Master the patient setups first.

FINAL NOTES

You're ready to go.

Touch of MIDAS rewards patience. The MIDAS curves are slow-moving structural levels, not high-frequency scalp targets. Used well, they identify the prices where institutional volume has clustered — the prices the market is most likely to respect.

Three habits that separate the traders who get value from this product from those who don't:

1. Arm with purpose.

Don't arm every level you see. Pick the ones with confluence — a MIDAS curve at a round number, near a TB-F exhaustion zone, on a key session open. Confluence wins.

2. Review the journal weekly.

The R-multiple journal is gold. Once a week, open it as a spreadsheet, sort by R, look at your wins and your losses. The patterns will show you which setups are working and which aren't.

3. Respect the guards.

Daily loss caps, drawdown lock, margin guard — these aren't training wheels. They're the difference between a controlled drawdown and a blown account. If the EA blocks a fire because you've hit your daily cap, that's the EA doing its job. Don't disable it. Don't override it. Quit for the day.

Support & Communication

Developer assistance is available through the MQL5 messaging system. All inquiries are typically addressed within 24 hours, ensuring timely and reliable support.