



SmartifyTrade.Com

## EA Bridge — Expert Advisor

Version 6.0 · MetaTrader 5

### User Manual — Complete Reference Guide

All 153 Inputs · 3 Tiers · All Features Documented

**BASIC TIER**  
Inputs 1–45

**ADVANCED TIER**  
Inputs 46–130

**PRO TIER**  
Inputs 131–153

Sensitivity Rated: ● Critical ● Moderate ● Standard

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## Legal Disclaimer & Risk Warning

**WARNING**

Trading foreign exchange, gold, indices, and other financial instruments involves significant risk of loss and is not suitable for all investors. Past performance is not indicative of future results. The SmartifyTrade EA is a signal-execution tool only — it does not provide financial advice or investment recommendations. Use of this software is entirely at the user's own risk. SmartifyTrade.Com accepts no liability for losses arising from the use of this product.

**NOTE**

This document describes software behavior as of version 6.0 (March 2026). Prop firm rules referenced in the Prop Firm Mode section are based on publicly available guidelines as of February 2026. Prop firm rules change frequently — always verify current rules directly with your prop firm before configuring the EA.

**NOTE**

The .ex5 file is a compiled binary. Source code (.mq5) is not distributed. The compiled EA is protected by MetaQuotes licensing technology. Do not attempt to decompile or reverse-engineer the EA.



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# 1. Introduction

## 1.1 What is the SmartifyTrade EA?

The SmartifyTrade EA (Expert Advisor) is a MetaTrader 5 bridge that connects your TradingView Pine Script strategies to live MT5 trading. It receives JSON signals from the SmartifyTrade router server, executes trades on your MT5 account with your configured risk settings, and manages open positions automatically — 24 hours a day, 7 days a week.

Version 6.0 is the most advanced release to date, featuring 153 configurable inputs across 32 sections, organized into three subscription tiers to match your trading needs.

Feature	Description
<b>Multi-symbol execution</b>	One EA on one chart handles all symbols simultaneously — XAUUSD, EURUSD, BTC, indices and more.
<b>Multi-stream / Multi-TF</b>	Each trade_id (e.g. 5M, 1H, 4H) is an isolated channel with its own SL/TP and state.
<b>Full risk management</b>	Daily loss \$, daily loss %, profit target, velocity guard, consecutive hold, spread guard and more.
<b>Prop firm compliance</b>	FTMO, The5ers, FundedNext, AlphaCapital, E8Markets — pre-configured buffered profiles.
<b>Trade management</b>	Break-Even, Partial Close ladder (3 levels), Loss Cut ladder (3 levels), PC Trail, Virtual SL/TP.
<b>Streak lot sizing</b>	Martingale, Anti-Martingale, and Pyramid modes — per-symbol or global scope.
<b>Signal Provider Mode</b>	Cross-machine signal broadcasting: MASTER → multiple FOLLOWERS via SmartifyTrade server.
<b>Telegram notifications</b>	Real-time alerts on your phone for every trade open, close, DD warning, guard trigger, and news event.
<b>Time heatmap</b>	Automatically analyzes your best and worst trading hours based on closed trade history.
<b>Mirror mode</b>	Copy trades to other MT5 accounts on the same machine via GlobalVariable IPC.
<b>Activity log &amp; journal</b>	Every EA event and every closed trade is logged to CSV for full audit trail and analytics.
<b>Performance analytics</b>	Win rate, Profit Factor, RR ratio, Expectancy — live in the panel and exportable to CSV.

## 1.2 How It Works




<b>Step 1 — TradingView</b>	Your Pine Script strategy fires an alert with a JSON payload containing the signal details.
<b>Step 2 — Webhook</b>	The alert is sent to the SmartifyTrade router server via HTTPS webhook.
<b>Step 3 — EA polls server</b>	The EA polls the server every 1 second (configurable). New signals are fetched and queued.
<b>Step 4 — Guards applied</b>	All configured guards are evaluated: spread, time window, news blackout, risk limits, prop rules.
<b>Step 5 — Trade execution</b>	If guards pass, the trade is opened/closed on MT5 with the configured SL, TP, and lot size.
<b>Step 6 — ACK sent</b>	An acknowledgement is sent back to the server confirming execution result.

### 1.3 Three Subscription Tiers

SmartifyTrade EA v6.0 is organized into three tiers. Each tier is a superset of the one below — higher tiers include all lower-tier features plus additional capabilities.

Tier	Target User	Capabilities
<b>BASIC</b>	Normal retail traders	Signal execution · Basic risk guards (\$, %, spread, time) · Panel & journal · License management
<b>ADVANCED</b>	Prop traders + analytics	Everything in BASIC + Prop firm compliance · Streak lots · Session mult · Telegram · Performance analytics · Virtual SL/TP · News AutoFetch · Equity curve · Slippage monitor
<b>PRO</b>	Fund managers, signal sellers	Everything in ADVANCED + Signal Provider Mode (cross-machine broadcast) · Mirror Mode · Correlation Guard · Time Heatmap · Preset Profiles

### 1.4 Sensitivity Legend

	<b>Critical</b>	Setting this wrong can directly cause financial loss, missed trades, EA failure, or account rule violations. Review carefully before going live.
	<b>Moderate</b>	Important setting that affects EA behavior significantly. Defaults are generally safe but review for your specific use case.
	<b>Standard</b>	Safe to leave at default for most users. Adjust only if you have a specific requirement.

## 2. Installation & Setup

### 2.1 System Requirements

<b>MetaTrader 5</b>	Build 3000 or later — Windows, macOS, or VPS
<b>Internet connection</b>	Stable broadband — VPS strongly recommended for 24/7 operation
<b>License ID</b>	Valid SmartifyTrade License ID — obtain from <a href="http://www.smartifytrade.com">www.smartifytrade.com</a>
<b>TradingView</b>	Account with webhook alert access (Pro or higher recommended)
<b>WebRequest</b>	MT5 WebRequest must be enabled for the SmartifyTrade server URL (see Step 2 below)


### 2.2 Installation Steps

**Step 1** **Copy the EA file**  
Copy SmartifyTrade.Com.EA.ex5 into your MT5 Experts folder:

```
MT5 → File → Open Data Folder → MQL5 → Experts
```

After copying, refresh the Navigator panel in MetaEditor or MT5.


**Step 2** **Allow WebRequest — CRITICAL**

  
**WARNING**

Without this step the EA cannot connect to the server. It will show HTTP err=4014 in the Experts log and will not trade.

In MT5: Tools → Options → Expert Advisors tab:

- ✓ Check 'Allow WebRequest for listed URL'
- ✓ Click '+' and add: <https://api.smartifytrade.com>
- ✓ Click OK and restart MT5.

  
**NOTE**

If using Telegram notifications, also add <https://api.telegram.org> to the WebRequest allow list.

**Step 3** **Attach EA to chart**  
Drag the EA from the Navigator panel onto any chart. The timeframe of the chart does not matter — the EA handles all symbols from a single chart instance.  
Enable AutoTrading in MT5 (Ctrl+E) if not already enabled.

**Step 4** **Configure inputs**  
The EA input dialog will open. At minimum, set:

- Input 4: InpLicenseID — your SmartifyTrade license key
- Input 3: InpSecret — must match your TradingView webhook secret
- Input 126: InpEAMode — STANDARD for live, PROP for prop firm accounts

All other inputs can remain at defaults for basic operation.

### 2.3 Verifying Successful Connection

After attaching the EA, open the MT5 Experts tab. You should see these messages:

```
[ATTACH] Cursor OK. since_pk=XXXX  
[INIT] v6.0 started. Balance=$XXXX Mode=STANDARD Poll=1s  
[INIT] Ready.
```

<b>since_pk &gt; 0</b>	Server connection confirmed. EA is ready to receive signals.
<b>since_pk = 0</b>	Server connection failed. Verify License ID, Server URL, and WebRequest allow list.
<b>HTTP err=4014</b>	WebRequest not allowed. Complete Step 2 above.
<b>err=4060</b>	Internet connection issue or server unreachable. Check VPS connectivity.

**i**  
**NOTE**

Recommended: Use a dedicated VPS for 24/7 operation. If MT5 is offline when TradingView fires a signal, the signal is queued on the server and processed when the EA reconnects (backlog processing). Set `InpSkipBacklogOnStart=true` to skip stale signals.

## 3. TradingView Signal JSON Format

Configure your TradingView alert message with the following JSON structure. All fields are passed in the alert webhook body.

```
{
  "secret": "SMARTIFY_ROUTER_SECRET",
  "account": "MT5_Account_Number",
  "payload": {
    "LicenseID": "Your_Licence_Id",
    "id": "{{timenow}}",
    "cmd": "{{strategy.order.action}}",
    "symbol": "{{ticker}}",
    "trade_id": "{{interval}}",
    "lots": {{strategy.order.contracts}},
    "sl_money": 0,
    "tp_money": 0,
    "swap_close_before_sec": 0,
    "swap_reopen_after_sec": 0,
    "weekly_close": false,
    "weekly_reopen": false,
    "weekly_close_time": "0",
    "weekly_reopen_delay": 0,
    "be_money": 0,
    "pc1_money": 0,
    "pc1_lots": 0,
    "pc2_money": 0,
    "pc2_lots": 0,
    "pc3_money": 0,
    "pc3_lots": 0,
    "lc1_money": 0,
    "lc1_lots": 0,
    "lc2_money": 0,
    "lc2_lots": 0,
    "lc3_money": 0,
    "lc3_lots": 0
  }
}
```

### 3.1 Complete Signal Field Reference

Field	Type / Values	Description
<b>LicenseID</b>	string	Your SmartifyTrade license key. Must match InpLicenseID in EA input.
<b>id</b>	string / {{timenow}}	Unique signal ID. Use {{timenow}} for auto-deduplication. Prevents same signal executing twice.
<b>cmd</b>	buy / sell / close / close_all	Trading action. close = close this stream only; close_all = close all EA positions.
<b>symbol</b>	string e.g. XAUUSD	Instrument. EA auto-maps to broker symbol (e.g. XAUUSDm, XAUUSD.c).
<b>trade_id</b>	string e.g. 5M, 1H	Stream identifier. Each unique trade_id is an isolated, independent trading channel.
<b>lots</b>	number e.g. 0.10	Base lot size. Overridden if ATR Lot Sizing or Streak Lots are enabled.
<b>sl_money</b>	number \$ e.g. 50	Stop Loss in USD distance from entry. 0 = no SL (required for Prop mode).

Field	Type / Values	Description
<b>tp_money</b>	number \$ e.g. 100	Take Profit in USD. 0 = no TP.
<b>be_money</b>	number \$ e.g. 30	Break-Even trigger: move SL to entry when floating profit reaches this \$.
<b>pc1_money / pc1_lots</b>	numbers	Partial Close level 1: close pc1_lots when profit >= pc1_money \$.
<b>pc2 / pc3_money/lots</b>	numbers	Partial Close levels 2 and 3 — same format as pc1.
<b>lc1_money / lc1_lots</b>	numbers	Loss Cut level 1: close lc1_lots when loss >= lc1_money \$.
<b>lc2 / lc3_money/lots</b>	numbers	Loss Cut levels 2 and 3 — same format as lc1.
<b>swap_close_before_sec</b>	integer seconds	Close this position N seconds before daily rollover. 0 = disabled.
<b>swap_reopen_after_sec</b>	integer seconds	Reopen position N seconds after market opens after rollover. 0 = no reopen.
<b>weekly_close</b>	true / false	Close this stream's position every Friday at weekly_close_time. Per-stream control.
<b>weekly_close_time</b>	HH:MM e.g. 20:00	Broker time for weekly Friday close. Default 20:00.
<b>weekly_reopen</b>	true / false	true = auto-reopen Monday after market opens. false = wait for fresh signal.
<b>weekly_reopen_delay</b>	integer seconds	Seconds after Monday market open before reopening. Default 1800 (30 min).
<b>pos_size</b>	number	TradingView position_size. 0 = exit-only close; >0 = BUY; <0 = SELL.
<b>contracts</b>	number	TradingView contracts count. Pass {{strategy.order.contracts}} for dynamic lot size.

## 3.2 JSON Templates by Use Case

### XAUUSD — Standard with Swap & Weekly Protection

```
"lots": 0.10, "sl_money": 50, "tp_money": 150,
"be_money": 25, "pc1_money": 30, "pc1_lots": 0.03,
"swap_close_before_sec": 3600, "swap_reopen_after_sec": 1800,
"weekly_close": true, "weekly_close_time": "20:00",
"weekly_reopen": true, "weekly_reopen_delay": 1800
```

### BTC / Crypto — 24/7, No Weekend Close

```
"lots": 0.01, "sl_money": 80, "tp_money": 200,
"swap_close_before_sec": 0, "weekly_close": false
```

### Prop Account (FTMO) — Maximum Protection

```
"lots": 0.05, "sl_money": 30, "tp_money": 90,
"be_money": 15, "pc1_money": 20, "pc1_lots": 0.02,
"swap_close_before_sec": 3600, "swap_reopen_after_sec": 1800,
"weekly_close": true, "weekly_reopen": false
```

## 4. Input Reference — BASIC Tier

### • BASIC TIER

Normal retail traders — Signal execution + basic risk management (Inputs 1–45)

#### **i** **NOTE**

These 45 inputs cover everything a standard retail trader needs for signal execution and risk management. All other inputs (Advanced and Pro tiers) can remain at defaults.

## 1

### IDENTITY & CONNECTION

Inputs 1–4

#### **i** **NOTE**

These 4 inputs are the minimum required for the EA to function. All others can remain at defaults for basic operation.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpLicenseID	""	Your unique SmartifyTrade License ID. The EA refuses to start if this is empty. Obtain from www.smartifytrade.com.	⚠ <b>MUST</b> be set. EA returns INIT_FAILED if empty.
●	InpServerBaseUrl	"https://api.smart..."	Router server URL. Do not change unless advised by support or using a self-hosted server.	⚠ Changing incorrectly breaks all signal reception.
●	InpSecret	"SMARTIFY_ROUTER..."	Router secret key. Must exactly match the secret in your TradingView webhook alert JSON.	⚠ If mismatched, all signals are rejected at server level.
●	InpBrandText	"SmartifyTrade.Com EA"	Display name shown on the chart panel. Purely cosmetic — does not affect EA behavior.	—

## 2

### BASIC TRADING

Inputs 5–8

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpDefaultLots	0.01	Fallback lot size used when the signal JSON does not include a lots field. Set appropriate for your account size.	⚠ 0.01 is micro-lot size. Increase for standard accounts.
●	InpPollSeconds	1	How often (in seconds) the EA checks the server for new signals. 1s = real-time response.	⚠ Values below 1 are clamped to 1. Higher values add signal delay.
●	InpSkipBacklogOnStart	true	If true, signals that arrived while the EA was offline are skipped. Prevents execution of stale signals after reconnect.	⚠ Set false only if you specifically want to process missed signals.
●	InpSymbolLock	""	Restrict EA to trade only one symbol. Empty = allow all symbols in signals. Example: "XAUUSD" locks to gold only.	—

### 3 EXECUTION BEHAVIOR

Inputs 9–10

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpCloseAllScope	0	Controls scope of Close All operations. 0 = EA positions only (identified by SmartifyTrade.Com comment). 1 = entire MT5 account.	⚠ Default 0 protects manual trades. Set 1 only if EA is sole user of the account.
●	InpAntiHedgeMode	"AUTO"	Cross-stream anti-hedge guard. AUTO = off in STANDARD mode, enforced in PROP mode. ON = always enforce. OFF = always disabled.	⚠ In PROP mode: AUTO automatically prevents hedging violations.

### 4 DAILY RISK GUARDS \$

Inputs 11–14

#### ⚠ WARNING

Incorrect Daily Risk settings are one of the most common causes of unexpected EA behavior. Always test on a demo account first.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableDailyRisk	false	Master ON/OFF for dollar-based daily risk limits. Must be true for the loss/profit limits below to have any effect.	—
●	InpDailyMaxLossMoney	0.0	Maximum dollar loss allowed per day. EA closes all positions and blocks entries when hit. 0 = disabled. Example: 50 = stop after \$50 daily loss.	⚠ Set 0 if disabled. Applies to account-wide P&L.
●	InpDailyMaxProfitMoney	0.0	Maximum dollar profit at which EA stops trading for the day. 0 = disabled. Example: 100 = stop after \$100 daily profit.	⚠ Resets each new trading day automatically.
●	InpRiskCloseAndStopEA	true	true = close all positions AND remove EA when limit is hit. false = close trades only, EA stays active.	⚠ true with all limits at 0 has no effect.

### 5 SPREAD & SIGNAL AGE

Inputs 15–18

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableSpreadGuard	false	Blocks new entries when the live spread exceeds InpMaxSpreadPoints. Prevents entering during news spikes or low-liquidity periods.	—
●	InpMaxSpreadPoints	30	Maximum allowed spread in points (not pips). For 5-digit brokers: 30 points = 3 pips. For XAUUSD: 50 is typical.	⚠ Too low = many entries blocked. Too high = guard is useless.
●	InpEnableSignalAge	false	Skip signals older than InpMaxSignalAgeSec. Requires {{timenow}} as the id field in the signal JSON.	—

Sen	Input Parameter	Default	Description & Example	Warning / Note
	InpMaxSignalAgeSec	60	Maximum signal age in seconds. Signals older than this are silently discarded.	—

## 6 TIME WINDOW & NEWS

Inputs 19–29

**i NOTE** Time references use Broker Server Time by default. Set InpUseBrokerTime=true (Input 101) to use UTC/GMT. Always verify which timezone your broker server uses.

Sen	Input Parameter	Default	Description & Example	Warning / Note
	InpEnableTimeWindow	false	Restrict trading entries to a specific time window each day. Entries outside the window are blocked.	—
	InpTradeWindowStart	"08:00"	Window open time in HH:MM. Overnight windows work — e.g. Start=22:00, End=06:00.	<span style="color: red;">⚠ Verify broker timezone before setting.</span>
	InpTradeWindowEnd	"17:00"	Window close time in HH:MM. New entries are blocked after this time.	—
	InpEnableNewsBlackout	false	Blocks all new entries for a window around configured news event times. Can use manual times or auto-fetch from ForexFactory (Input 23).	—
	InpNewsSource	"MANUAL"	MANUAL = use times in Inputs 25-27. AUTO_FF = automatically fetch high-impact events from ForexFactory RSS feed each Sunday.	<span style="color: red;">⚠ AUTO_FF requires <a href="https://nfs.faireconomy.media">https://nfs.faireconomy.media</a> in WebRequest allow list.</span>
	InpNewsFilterCurrency	"USD, EUR, GBP, XAU"	Currencies to watch when using AUTO_FF mode. Comma-separated. Only HIGH impact events are fetched.	—
	InpNewsTime1	""	First news event time HH:MM (MANUAL mode). Empty = not set. Example: 14:30 for US NFP.	—
	InpNewsTime2	""	Second news event time. Same format as InpNewsTime1.	—
	InpNewsTime3	""	Third news event time.	—
	InpNewsMinBefore	5	Minutes before each news time to start blocking entries.	—

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpNewsMinAfter	5	Minutes after each news time to continue blocking entries.	—

## 7 MAX TRADES & MAX POSITIONS

Inputs 30–34

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableMaxTrades	false	Enables daily trade count limits.	—
●	InpMaxTradesPerDay	10	Maximum total trades across all symbols per day. 0 = off. Counter uses broker symbol to avoid double-counting mapped symbols.	⚠ Resets at day start.
●	InpMaxTradesPerSymDay	0	Maximum trades per individual symbol per day. 0 = off. Example: 2 = max 2 XAUUSD trades per day.	—
●	InpEnableMaxPositions	false	Enables limit on simultaneous open EA positions.	—
●	InpMaxOpenPositions	3	Maximum number of EA positions open simultaneously. Only EA positions counted (by comment filter).	—

## 8 DISPLAY, PANEL & BUTTONS

Inputs 35–45

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpShowPanel	true	Show/hide the EA information panel on the chart. Highly recommended for monitoring.	—
●	InpPanelCorner	0	Panel position corner. 0=Top-Left, 1=Top-Right, 2=Bottom-Left, 3=Bottom-Right. All four corners fully supported.	—
●	InpPanelX	10	Horizontal pixel offset from the chosen corner edge.	—
●	InpPanelY	30	Vertical pixel offset from the chosen corner edge.	—
●	InpShowPanicButton	true	Show red PANIC CLOSE ALL button on the chart. Highly recommended to leave enabled.	—
●	InpPanicPauseMinutes	30	How long to pause new entries after panic button is pressed (minutes). 0 = close only, no pause.	⚠ Panic closes respects InpCloseAllScope.
●	InpShowSymbolStats	true	Show per-symbol statistics (trades, wins, net P&L) in the info panel.	—
●	InpPersistSymStats	false	Save symbol stats via GlobalVariables so they survive EA restarts.	—
●	InpEnableJournal	false	Export every closed trade to CSV. File: MQL5/Files/SmartifyTrade_Journal_<account>.csv.	—
●	InpAutoCloseBeforeExpiry	true	Auto-close all EA positions before the license expires. Prevents positions being stranded.	—
●	InpAutoCloseBeforeExpirySec	5	Seconds before license expiry to execute auto-close.	—

## 5. Input Reference — ADVANCED Tier

- **ADVANCED TIER**  
Prop traders + analytics — Advanced risk, compliance & analytics (Inputs 46–130)

**i**  
**NOTE**

ADVANCED tier includes everything in BASIC plus prop firm compliance, streak lot sizing, session management, Telegram notifications, performance analytics, slippage monitoring, virtual SL/TP, news auto-fetch, and more.

### 9 CONSECUTIVE HOLD

Inputs 46–51

**i**  
**NOTE**

Consecutive Hold pauses new entries after X consecutive losses or wins. InpConsecScope (Input 51) controls whether counters are per-symbol (default) or global across all symbols.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableConsecHold	false	Master switch for consecutive loss/win hold. Counter updates occur regardless — only the hold trigger is gated here.	—
●	InpMaxConsecLosses	3	Number of consecutive losses before entering hold. 0 = disabled. Example: 3 = pause after 3 losses in a row.	⚠ Does not reset on new day if hold is still active.
●	InpMaxConsecWins	0	Number of consecutive wins before entering hold (profit-protection mode). 0 = disabled.	⚠ Unusual setting — mainly for mean-reverting strategies.
●	InpHoldMinutes	30	Duration of trading pause in minutes after hold triggers. 1440 = rest of the day.	⚠ 0 = hold expires immediately (no effective hold).
●	InpHoldCloseAll	false	If true, close all EA positions immediately when hold triggers.	⚠ In PROP mode with Min Duration active, close is queued.
●	InpConsecScope	0	Scope for consecutive counters. 0 = per-symbol (each symbol tracked independently). 1 = global (all symbols combined).	⚠ Global scope (1): loss on EURUSD affects XAUUSD counter too.

### 10 VELOCITY GUARD — Rapid Loss Detection

Inputs 52–56

**i**  
**NOTE**

Velocity Guard monitors total losses within a rolling time window. Different from Consecutive Hold — it measures speed of losses, not streak count. Example: \$100 lost in 15 minutes triggers hold.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableVelocityGuard	false	Enable velocity-based rapid loss guard.	—
●	InpVelocityWindowMin	10	Rolling time window in minutes for loss calculation.	—
●	InpVelocityMaxLoss	50.0	Maximum allowed total loss (\$) in the window before hold triggers. 0 = off.	—

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpVelocityHoldMin	60	Hold duration in minutes after velocity guard triggers.	—
●	InpVelocityCloseAll	false	If true, close all EA positions when velocity guard triggers.	⚠ In PROP mode with Min Duration, close is queued.

## 11 DAILY LOSS % & PROFIT TARGET

Inputs 57–61

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableDailyLossPct	false	Enable percentage-based daily loss limit calculated from account balance.	—
●	InpDailyMaxLossPct	5.0	Maximum daily loss as percentage of balance. EA blocks entries when reached.	⚠ Account-wide calculation (all positions).
●	InpEnableProfitTarget	false	Enable automatic trading stop when profit target is reached.	—
●	InpDailyProfitTargetMoney	0.0	Daily profit target (\$). EA stops new entries when this profit is reached for the day. Resets each day. 0 = off.	⚠ Does not close existing positions unless InpRiskCloseAndStopEA=true.
●	InpTotalProfitTargetMoney	0.0	Total cumulative profit from EA start. One-shot — fires once, does not reset. Useful for prop challenge profit targets. 0 = off.	⚠ Useful for prop firm profit target. Set 0 if not needed.

## 12 ATR LOT SIZING

Inputs 62–66

**NOTE** When enabled, ATR-based lots override the lots field in the signal. The ATR calculates the SL distance, then position size =  $\text{InpATTRiskMoney} / (\text{ATR} \times \text{tick value})$ . The sl\_money field still controls the actual SL price placement.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableATRLots	false	Enable volatility-based automatic lot sizing. Lots are calculated from ATR, ignoring the signal lots field.	—
●	InpATTRiskMoney	50.0	Risk amount (\$) per trade for ATR lot calculation.	⚠ Does NOT affect sl_money price placement — only lot size.
●	InpATRPeriod	14	ATR indicator period (number of bars).	—
●	InpATRMultiplier	1	Multiplier applied to ATR for SL distance in lot calculation. Minimum 1.	—
●	InpATRTimeframe	"H1"	Timeframe for ATR calculation. Options: M1 M5 M15 M30 H1 H4 D1.	—

## 13 STREAK LOT SIZING — Martingale / Anti / Pyramid

Inputs 67–74

### Streak Lot Sizing

LossStreakMult < 1.0 = Anti-Martingale (reduce after loss) · LossStreakMult > 1.0 = Martingale (increase after loss) · WinStreakMult > 1.0 = Pyramid (increase after win) · WinStreakMult < 1.0 = Profit protection (reduce after win). LotCap is critical for prop accounts — Martingale without a cap can breach drawdown limits within 3-4 losses.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableStreakLots	false	Master ON/OFF for streak-based lot sizing.	—
●	InpLossStreakLotMult	0.5	Lot multiplier applied per loss streak level. <1.0 = Anti-Martingale. >1.0 = Martingale. Example: 2.0 doubles lots after each loss.	⚠ Values >1.0 (Martingale) can cause rapid DD. Use InpStreakLotCap.
●	InpLossStreakAfter	3	Consecutive losses before streak lot multiplier activates. Example: 3 = normal lots for first 3 losses, then multiplier kicks in.	—
●	InpEnableWinStreak	false	Enable win streak lot sizing (pyramid or profit-protect mode).	—
●	InpWinStreakLotMult	1.0	Lot multiplier per win streak level. >1.0 = Pyramid (increase on wins). <1.0 = Protect (reduce on wins).	—
●	InpWinStreakAfter	2	Consecutive wins before win streak multiplier activates.	—
●	InpStreakLotCap	0.0	Maximum lot ceiling. 0 = no cap. ESSENTIAL for Martingale mode on prop accounts. Example: 0.20 caps at 0.20 lots regardless of streak.	⚠ Always set a cap when using Martingale (LossStreakMult > 1.0).
●	InpStreakLotFloor	0.01	Minimum lot floor. Prevents lot size going below minimum broker lot.	—

## 14

### SESSION LOT MULTIPLIER

Inputs 75–79

#### **i** NOTE

Session times use UTC always (regardless of InpUseBrokerTime). Multiplier 0.0 blocks entries entirely for that session. Session priority when sessions overlap: New York > London > Asia.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableSessionMult	false	Apply different lot multipliers per trading session.	—
●	InpSessionAsiaMult	0.5	Lot multiplier for Asian session (00:00–07:00 UTC). 0 = block all entries.	⚠ Default 0.5 = half position size in Asia.
●	InpSessionLondonMult	1.0	Lot multiplier for London session (07:00–16:00 UTC).	—
●	InpSessionNYMult	1.0	Lot multiplier for New York session (13:00–22:00 UTC). Overlaps London 13:00–16:00 UTC (NY takes priority).	—
●	InpSessionOffMult	0.0	Lot multiplier outside all three sessions. 0 = block entries entirely outside sessions.	⚠ Set 0 to trade active sessions only.

**15 TRADE MANAGEMENT**

Inputs 80–85

**i NOTE**

Max DD from Entry and the PC/LC ladder in the signal JSON work independently. Whichever triggers first executes. Virtual SL/TP hides SL/TP from the broker — the EA monitors price internally and closes the position when the level is hit.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableMaxDDEntry	false	Per-ticket emergency close if position floating loss from entry >= threshold.	—
●	InpMaxDDFromEntry	50.0	Maximum dollar loss from entry price before auto-close. Applied per ticket. Different from SL — measures from entry, not current SL level.	⚠ Measured from entry price, not from current SL.
●	InpEnablePCTrail	false	Enable trailing stop on remaining lots after any Partial Close level fires. Trail tracks peak profit.	—
●	InpPCTrailTriggerMoney	15.0	Minimum profit (\$) at which trail is armed after a PC level fires.	⚠ Set higher than lowest PC money level to avoid premature arming.
●	InpPCTrailOffsetMoney	8.0	Trail offset (\$): trail SL = peak profit – offset. Trail only moves in profit direction.	—
●	InpVirtualSLTP	"OFF"	OFF = normal MT5 SL/TP. SL_ONLY = hide SL from broker (TP sent normally). BOTH = hide both SL and TP. EA monitors internally and closes on hit.	⚠ VPS mandatory — if MT5 offline, virtual SL has no protection.

**16 LOT STEP-DOWN**

Inputs 86–89

**i NOTE**

Lot Step-Down automatically reduces position size after a consecutive loss streak. Recovery is automatic when the streak breaks. Scope is controlled by InpConsecScope (Input 51).

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableLotStepDown	false	Enable automatic lot size reduction after consecutive losses.	—
●	InpLotStepDownAfter	3	Number of consecutive losses before step-down activates. Must be > 0.	⚠ 0 is invalid — activates on every trade. Minimum 1.
●	InpLotStepDownFactor	0.5	Multiplier applied to base lots when step-down is active. Range 0.01–0.99. 0.5 = half lots.	⚠ Clamped to 0.01–0.99. Values >= 1.0 would increase lots — not allowed.
●	InpLotStepDownResetOnWin	true	If true, lots auto-recover to full size on the first winning trade after a streak.	—

**17 DRAWDOWN RECOVERY MODE**

Inputs 90–92

## Drawdown Recovery

Automatically reduces lot size as drawdown approaches the prop firm DD limit. Protocol: DD reaches 50% of limit → reduce lots by `InpDDRRecovery50Pct`. DD reaches 75% of limit → reduce lots by `InpDDRRecovery75Pct`. When DD normalizes, lots return to full size automatically. Only active in PROP mode (uses prop DD limit as reference).

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	<code>InpEnableDDRRecovery</code>	<code>false</code>	Enable automatic lot reduction during drawdown. Only active in PROP mode.	—
●	<code>InpDDRRecovery50Pct</code>	0.5	Lot multiplier when DD reaches 50% of the prop DD limit. 0.5 = half lots.	—
●	<code>InpDDRRecovery75Pct</code>	0.25	Lot multiplier when DD reaches 75% of the prop DD limit. 0.25 = quarter lots.	—

## 18

## TELEGRAM NOTIFICATIONS

Inputs 93–100

### Telegram Setup

1. Open Telegram → message `@BotFather` → `/newbot` → get Bot Token. 2. Message your new bot once, then open: <https://api.telegram.org/bot<TOKEN>/getUpdates> — find your Chat ID. 3. Enter Token (Input 94) and Chat ID (Input 95). 4. Add <https://api.telegram.org> to MT5 WebRequest allow list.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	<code>InpTelegramEnabled</code>	<code>false</code>	Enable Telegram notifications.	—
●	<code>InpTelegramBotToken</code>	<code>"YOUR_BOT_TOKEN_HERE"</code>	Bot token from <code>@BotFather</code> on Telegram. Format: 123456789:AAF... — keep this private.	⚠ Never share this token publicly.
●	<code>InpTelegramChatID</code>	<code>"YOUR_CHAT_ID_HERE"</code>	Your Telegram chat or group ID. For groups: use the negative number ID (e.g. -987654321).	⚠ Get from <code>@userinfobot</code> or <code>getUpdates</code> API call.
●	<code>InpTgNotifyTradeOpen</code>	<code>true</code>	Send Telegram message when a trade opens.	—
●	<code>InpTgNotifyTradeClose</code>	<code>true</code>	Send Telegram message when a trade closes. Message includes P&L (profit/loss).	—
●	<code>InpTgNotifyDD</code>	<code>true</code>	Send DD warning alerts at 50%, 75%, and 100% of drawdown limit.	—
●	<code>InpTgNotifyAlerts</code>	<code>true</code>	Send alerts for guard triggers: velocity guard, consecutive hold, daily risk, panic button.	—
●	<code>InpTgNotifyNews</code>	<code>false</code>	Send alert when news blackout is triggered (entries blocked due to news event).	—

## 19

## SYSTEM &amp; TIME

Inputs 101–107

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpUseBrokerTime	false	false = use broker server time for all time-based guards. true = use UTC/GMT. Affects: Time Window, News Blackout.	⚠ Check your broker's timezone before changing.
●	InpEnableScheduledStop	false	Auto-stop EA (and close all positions) at a specific date-time. Useful for prop challenges with a deadline.	—
●	InpStopTime_YYYYMMDD_HHMMSS	"2026-12-31 18:30:00"	Date-time for scheduled auto-stop. Format: YYYY-MM-DD HH:MM:SS in broker time.	⚠ Enter in broker server time (not UTC unless InpUseBrokerTime=true).
●	InpStopCloseBeforeSec	5	Close all trades this many seconds BEFORE the scheduled stop time. Minimum 1 second enforced.	—
●	InpEnableSymbolAutoMap	true	Auto-map signal symbols to broker symbols. Example: XAUUSD → XAUUSDm. Recommended true.	—
●	InpSymbolMapMaxCandidates	10	Maximum broker symbol candidates to consider during auto-mapping.	—
●	InpSymbolMapPreferExact	true	Prefer exact symbol name match over partial match during auto-mapping.	—

## 20

## SLIPPAGE MONITOR

Inputs 108–109

## Slippage Monitor

Records expected vs actual fill price for every trade. Maintains a per-symbol running average. If average slippage exceeds the threshold, an alert is printed in the Experts log and sent via Telegram (if enabled). Weekly slippage data is visible in the panel.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableSlippageMonitor	false	Enable slippage recording and alerting.	—
●	InpSlippageAlertPts	5.0	Slippage alert threshold in points. Alert fires when a single fill exceeds this.	—

## 21

## PERFORMANCE ANALYTICS

Inputs 110–112

## Performance Analytics

Live Win Rate, Profit Factor, RR Ratio, Expectancy, Average Win/Loss, Max Consecutive Losses/Wins — calculated from all closed trades in the current session and displayed in the chart panel. Optional CSV export every Sunday.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpShowPerformanceStats	false	Show performance statistics in the chart panel.	—
●	InpStatsLookbackDays	0	Lookback period in days for stats calculation. 0 = all time (from EA start).	—
●	InpExportPerfCSV	false	Export performance statistics to CSV every Sunday midnight.	—

## 22 EQUITY CURVE & JOURNAL

Inputs 113–116

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpShowEquityCurve	false	Show a mini ASCII sparkline equity curve in the panel. Displays last N trade P&L visually.	—
●	InpEquityCurvePoints	50	Number of last trades to show in the equity curve sparkline.	—
●	InpJournalWeeklySummary	false	Auto-export weekly P&L summary CSV every Sunday. File: MQL5/Files/SmartifyTrade_Weekly_<account>.csv.	—
●	InpJournalPerStrategy	false	Include per-trade_id (per-stream) performance breakdown in weekly summary.	—

## 23 CORRELATION GUARD

Inputs 117–119

### Correlation Guard

Prevents overexposure to correlated instruments. Example: XAUUSD BUY + NAS100 BUY + US30 BUY are all USD-weakness bets. A single news event can blow all three simultaneously. Define symbol groups and limit how many same-direction positions can be open per group.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEnableCorrelationGuard	false	Enable correlation-based position limiting.	—
●	InpMaxCorrelatedPositions	2	Maximum number of same-direction positions per correlation group. Example: 2 = max 2 BUY positions from the metals group.	—
●	InpCorrelationGroups	"XAUUSD, XAGUSD   . . ."	Symbol groups separated by   (pipe). Symbols within each group are treated as correlated. Example: XAUUSD, XAGUSD   EURUSD, GBPUSD   NAS100, US30, SPX500.	—

## 24 TIME HEATMAP

Inputs 120–122

### Time Heatmap

Automatically analyzes your closed trade history and identifies which hours of the day are most and least profitable. Best hours (top 3) and worst hours (bottom 3) are displayed in the panel with win rate and average P&L per trade. Helps optimize Session Lot Multiplier settings.

Sen	Input Parameter	Default	Description & Example	Warning / Note
	InpShowTimeHeatmap	false	Show time heatmap section in the panel.	—
	InpHeatmapLookbackDays	0	Lookback days for heatmap calculation. 0 = all time from EA start.	—
	InpExportHeatmapCSV	false	Export heatmap data to CSV every Sunday midnight.	—

## 25 VIRTUAL TRAILING STOP

Inputs 123–124

### NOTE

Virtual Trail extends Virtual SL/TP (Input 85). When InpVirtualSLTP is not OFF, the trail moves the virtual SL level as profit peaks rise, without placing any order on the broker side. The broker never sees the stop level.

Sen	Input Parameter	Default	Description & Example	Warning / Note
	InpVirtualTrailEnabled	false	Enable virtual trailing stop. Requires InpVirtualSLTP != OFF (Input 85).	<span style="color: red;">⚠ VPS mandatory — if MT5 offline, virtual trail cannot protect.</span>
	InpVirtualTrailStep	10.0	Trail step in \$ from peak profit. Trail SL = peak profit – InpVirtualTrailStep.	—

## 26 STRATEGY PRESET PROFILES

Input 125


### NOTE


Selecting a preset applies recommended settings automatically at EA startup, making it easier for new users to get started. The preset does not change your input values — it only logs guidance and applies sensible runtime defaults.

Sen	Input Parameter	Default	Description & Example	Warning / Note
	InpLoadPreset	"NONE"	NONE = use all inputs as-is. BEGINNER_SAFE = conservative settings guidance. PROP_CONSERVATIVE = strict prop mode guidance. PROP_MODERATE = balanced prop guidance. LIVE_CONSERVATIVE = standard live trading guidance.	—

## 27 PROP FIRM MODE


Inputs 126–141 · Requires InpEAMode = PROP

	<p><b>IMPORTANT:</b> All settings below are COMPLETELY IGNORED when InpEAMode=STANDARD (the default). You must change Input 126 to PROP to activate prop firm compliance. Prop firm rules referenced here are based on published guidelines as of February 2026. Rules change frequently — always verify current rules directly with your firm before configuring.</p>
---	--

	<p>Prop Firm Mode is entirely client-side — no additional server calls. All calculations use live MT5 account data directly. Switching to PROP mode enables multiple checks that can block or close trades. Test on a demo account with PROP mode before going live.</p>
---	--


### 5.1 Mode & Profile

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpEAMode	"STANDARD"	Operating mode. STANDARD = all prop guards inactive. PROP = enables all prop guards based on toggles below.	⚠ Test PROP mode on demo first. Enables multiple trade-blocking checks.
●	InpPropProfile	"CUSTOM"	Pre-configured prop firm profile. CUSTOM = use manually entered values below. Named profiles apply buffered default values.	⚠ Named profiles override trailing DD %, equity daily loss %, and consistency % with buffered values.

	<p>Named profile values below were accurate as of February 2026. Prop firms update their rules without notice. Always verify current rules on your prop firm's website.</p>
---	---

Profile	Daily Loss	Daily (Buffered)	Trailing DD	Trailing DD (Buffered)	Consistency
FTMO	5%	4.5% default	10%	9.0% default	45%
The5ers	4%	3.5% default	6%	5.5% default	45%
FundedNext	5%	4.5% default	10%	9.0% default	45%
AlphaCapital	4%	3.5% default	8%	7.0% default	45%
E8Markets	5%	4.5% default	8%	7.0% default	45%

### 5.2 Trailing Drawdown Guard (HWM-Based)

	<p>The High Water Mark (HWM) is the highest equity ever reached since EA start — it never resets. This matches how most prop firms calculate trailing drawdown. Calculation: Daily Loss = HWM – current equity (includes open P&amp;L, swaps, commissions). HWM survives EA restarts via GlobalVariable.</p>
---	--

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpPropEnableTrailingDD	false	Enable HWM-based trailing drawdown guard. Required for most prop firm compliance.	⚠ If HWM=\$11,000 and limit=10%, entries block when equity < \$9,900.
●	InpPropMaxTrailingDDPet	9.0	Maximum trailing drawdown % from HWM. Named profiles override this.	⚠ Always set LOWER than firm's actual limit for safety margin.
●	InpPropDDCloseAll	false	Close all EA positions when trailing DD limit is hit.	⚠ Uses InpCloseAllScope: 0=EA only, 1=full account.

### 5.3 Equity-Based Daily Loss Guard

<b>NOTE</b>	Daily loss = midnight balance minus current equity. This matches exact prop firm calculation — includes all floating P&L, swaps, and commissions. The midnight balance snapshot is taken automatically at each new trading day.
-------------	---

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpPropEnableEquityDailyLoss	false	Enable equity-based daily loss limit. Different from InpDailyMaxLossPct — uses prop firm formula.	—
●	InpPropMaxEquityDailyLossPct	4.5	Maximum daily equity loss % from midnight balance. Named profiles override this.	⚠ Must be stricter than actual firm rule. Use named profiles for pre-buffered values.
●	InpPropEquityLossCloseAll	false	Close all EA positions when equity daily loss limit is hit.	—

### 5.4 Consistency Rule Guard

<b>NOTE</b>	The consistency rule prevents any single trade from representing too large a percentage of total net profit. Checked before opening a new trade: if the current best open position profit would exceed the limit, entry is blocked.
-------------	---

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpPropEnableConsistency	false	Enable single-trade consistency check.	⚠ Not all prop firms have consistency rules — check your agreement.
●	InpPropConsistencyMaxPct	45.0	Maximum % of total net profit a single trade can represent. Named profiles override this.	⚠ The5ers, FTMO typically use 40–50%. Check your specific firm.
●	InpPropConsistencyCloseAll	false	Close all EA positions if consistency limit is detected as breached.	—

### 5.5 Mandatory SL, Min Duration & Dashboard

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpPropEnableMandatorySL	false	Reject any BUY/SELL signal that has sl_money=0. Prevents no-SL trades on prop accounts.	⚠ All signals MUST include sl_money > 0 when this is enabled.
●	InpPropEnableMinDuration	false	Queue CLOSE/EXIT signals until position has been open for minimum seconds.	⚠ Queued closes retried every timer tick. Position SL/TP remains active during wait.
●	InpPropMinDurationSec	120	Minimum position open duration in seconds. Close signals received before this are queued.	⚠ Set based on your firm's specific rule. 120 = 2 minutes.
●	InpPropShowDashboard	true	Show prop firm statistics panel on the chart.	—
●	InpShowChallengeTracker	true	Show Challenge Progress Tracker in the prop panel — profit % bar, daily DD used, trailing DD, status.	—

## 6. Input Reference — PRO Tier

• PRO TIER

Fund managers, signal sellers, MAM/PAMM, multi-account operations (Inputs 131–153)

**i**  
**NOTE**

PRO tier includes all BASIC and ADVANCED features, plus cross-machine signal broadcasting, fund management tools, advanced multi-account features, and correlation protection.

**28**

### PROP FIRM GUARDS (continued)

Inputs 131–136

**i**  
**NOTE**

These inputs continue the Prop Firm Mode section. All require InpEAMode = PROP (Input 126) to have any effect.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpPropEnableEquityDailyLoss	false	Equity Daily Loss Guard ON/OFF. See Section 27 for full description.	—
●	InpPropMaxEquityDailyLossPct	4.5	Max daily equity loss %. Named profiles override this value.	⚠ Always buffer below firm's actual limit.
●	InpPropEquityLossCloseAll	false	Close all EA positions when equity daily loss limit is hit.	—
●	InpPropEnableConsistency	false	Consistency Rule ON/OFF.	—
●	InpPropConsistencyMaxPct	45.0	Maximum % of net profit a single trade can represent.	—
●	InpPropConsistencyCloseAll	false	Close all on consistency breach.	—

**29**

### PROP FIRM GUARDS (continued)


Inputs 137–141

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpPropEnableMandatorySL	false	Mandatory SL — rejects signals with no stop loss.	⚠ All signals must have sl_money > 0 when enabled.
●	InpPropEnableMinDuration	false	Min Trade Duration ON/OFF — queues close signals.	⚠ Queued closes retry every timer tick until duration met.
●	InpPropMinDurationSec	120	Min position open duration in seconds before close is allowed.	⚠ Set based on your firm's specific rule.
●	InpPropShowDashboard	true	Show Prop Firm Dashboard on chart.	—
●	InpShowChallengeTracker	true	Show Challenge Progress Tracker in panel.	—

**30**

### MIRROR MODE

Inputs 142–146 · Same-machine copy trading

 <b>WARNING</b>	Mirror mode uses MT5 GlobalVariables for IPC. Both MASTER and SLAVE must be on the same physical machine or VPS. Each account requires a separate License ID. For cross-machine copy trading, use Signal Provider Mode (Section 31) instead.
---	--

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpMirrorMode	"OFF"	Mirror operating mode. OFF = disabled. MASTER = execute + broadcast to slaves. SLAVE = read from master GlobalVariable and execute.	⚠ Do not set both instances to MASTER or both to SLAVE.
●	InpMasterLicenseID	""	SLAVE only: License ID of the master EA to mirror from. Must match exactly.	⚠ Empty = slave does nothing.
●	InpMirrorLotMult	1.0	SLAVE only: Lot multiplier vs master lots. 0.5 = half lots, 2.0 = double lots.	—
●	InpMirrorInvertDir	false	SLAVE only: Invert trade direction. BUY on master → SELL on slave. For a dedicated hedge account.	—
●	InpSlaveSymbol	""	SLAVE only: Override symbol for slave trades. Empty = use same symbol as master.	—

## 31 SIGNAL PROVIDER MODE

Inputs 147–152 · Cross-machine / internet broadcasting

**Signal Provider Mode**  
 MASTER account → SmartifyTrade Router Server → Multiple FOLLOWER accounts. Unlike Mirror Mode, followers can be on any machine, VPS, or country. The EA broadcasts every trade execution to the server. Followers poll the server and replicate trades with their own lot scaling, SL/TP overrides, and direction control.

Role	Configuration
<b>MASTER account</b>	InpSPMode = MASTER. Execute trades normally. Every trade is broadcast to server.
<b>FOLLOWER account</b>	InpSPMode = FOLLOWER. InpSPMasterLicenseID = master's LicenseID. Configure lot mult and overrides.

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	InpSPMode	"OFF"	Signal Provider mode. OFF = disabled. MASTER = broadcast every execution. FOLLOWER = copy from master.	—
●	InpSPMasterLicenseID	""	FOLLOWER only: Master's LicenseID to follow. Must match exactly.	⚠ Empty = follower does nothing.
●	InpSPLotMult	1.0	FOLLOWER only: Lot multiplier vs master lots. 0.5 = half, 2.0 = double.	—
●	InpSPInvertDir	false	FOLLOWER only: Invert direction. BUY on master → SELL on follower.	—
●	InpSPSLOverride	0.0	FOLLOWER only: Override SL in \$. 0 = use master's SL.	—
●	InpSPTPOverride	0.0	FOLLOWER only: Override TP in \$. 0 = use master's TP.	—

**32****HTTP & MISC**

Input 153

Sen	Input Parameter	Default	Description & Example	Warning / Note
●	<b>InpTimeoutMs</b>	5000	HTTP request timeout in milliseconds for all server communications. Increase on slow VPS connections.	—

## 7. Chart Buttons & Manual Controls

Button	Behavior
<b>PAUSE EA</b> (blue)	Blocks all new entry signals. Existing trades continue with full trade management (SL/TP, PC ladder, trail). Click again to resume. Does not close any positions.
<b>PANIC CLOSE ALL</b> (red)	Immediately closes all positions (scope: InpCloseAllScope) and pauses new entries for InpPanicPauseMinutes. Button turns green showing RESUME TRADING. Telegram alert sent if enabled.
<b>RESUME TRADING</b> (green)	Clears currently active block: Hold, Daily Risk \$, Daily Loss %, Profit Target, Prop DD, Prop Equity Loss, or Prop Consistency. Each click clears one block type.

### 7.1 Manual Resume via GlobalVariable (F3 Method)

If chart buttons are not accessible (headless VPS), resume any block by setting a GlobalVariable in MT5:

Tools → Global Variables (F3) → New Variable → Set value to 1

GlobalVariable Name	Value	Effect
SMARTIFY_RESUME_<LicID>_<Acc>	1	Clear all hold blocks (consecutive, velocity)
SMARTIFY_STEPDOWN_RESET_<LicID>_<Acc>	1	Reset lot step-down multiplier to 1.0 (full lots)
SMARTIFY_PANIC_RESUME_<LicID>_<Acc>	1	Clear panic pause — resume normal trading

## 8. Activity Log & Trade Journal

### 8.1 Activity Log

Automatically created at:

```
MQL5/Files/SmartifyTrade_Log_<LicID>_<Account>.csv
```

Pipe-delimited CSV. Logged events include:

Event Type	Description
EA_START / EA_STOP	EA attach and detach with balance, mode, poll interval, and settings snapshot.
INPUT_CHANGE	Every changed input parameter vs previous session — full audit trail of settings.
GUARD_HIT	Daily risk limit, consecutive hold, velocity guard, prop DD, prop equity loss triggers.
PROP_BLOCK	Prop firm compliance blocks: mandatory SL rejection, min duration queuing, consistency blocks.
PANIC	Panic button press with position list and close confirmation.
MANUAL_RESUME	Chart button or GlobalVariable resume events.
WEEKLY_CLOSE	Friday close and Monday reopen events per stream.
NEWS_BLACKOUT	News event blackout triggers (manual and AUTO_FF).
HTTP failures	Server offline events with error codes and backoff status.

### 8.2 Trade Journal

Enable with `InpEnableJournal=true` (Input 43). File:

```
MQL5/Files/SmartifyTrade_Journal_<Account>.csv
```

CSV columns: DateTime, Symbol, TradeID, Direction, Lots, Entry, Exit, PnL, Comment

#### **i** **NOTE**

PnL includes swap charges (DEAL\_SWAP). Entry price is retrieved from position open history for accurate calculation.

### 8.3 Weekly P&L Summary

Enable with `InpJournalWeeklySummary=true` (Input 115). File:

```
MQL5/Files/SmartifyTrade_Weekly_<Account>.csv
```

Exports every Sunday: WeekStart, Trades, TotalPnL, AvgPnL per trade. Optional per-stream breakdown with `InpJournalPerStrategy=true`.

## 9. Troubleshooting

Problem	Solution
<b>HTTP err=4014 in Experts log</b>	WebRequest not allowed. MT5 → Tools → Options → Expert Advisors → Check 'Allow WebRequest' → Add <a href="https://api.smartifytrade.com">https://api.smartifytrade.com</a> → OK → Restart MT5.
<b>EA attached but not trading</b>	Check: (1) Is InpLicenseID set? (2) Is InpSecret correct? (3) Are TradingView alerts firing? (4) Is Experts tab showing [INIT] Ready?
<b>since_pk = 0 after attach</b>	Server connection failed. Verify InpServerBaseUrl, InpLicenseID, and WebRequest. Check internet/VPS connectivity.
<b>SYMBOL_NOT_FOUND in log</b>	Signal symbol not found on broker. Enable InpEnableSymbolAutoMap=true or ensure exact broker symbol is used in TradingView signal.
<b>OPEN_NOT_FOUND_AFTER_EXEC</b>	Atomic flip in progress — opposite position close issued but not confirmed yet. Strategy will resend on next bar. Normal behavior for reversal signals.
<b>HOLD_ACTIVE blocking entries</b>	Consecutive hold or velocity guard triggered. Click RESUME TRADING button on chart, or set SMARTIFY_RESUME_<LicID>_<Acc>=1 via F3.
<b>PROP_CLOSE_QUEUED_MIN_DURATION</b>	CLOSE signal received but position has not been open long enough. Will auto-execute when minimum duration is met.
<b>EA closes unexpected positions</b>	Check InpCloseAllScope. If set to 1, all account positions are closed. Default 0 closes only EA positions (SmartifyTrade.Com comment prefix).
<b>Telegram not receiving messages</b>	Verify: (1) InpTelegramEnabled=true, (2) Bot token is correct, (3) Chat ID is correct, (4) <a href="https://api.telegram.org">https://api.telegram.org</a> is in WebRequest allow list, (5) You have sent at least one message to the bot.
<b>Lot size not reducing after losses</b>	Verify InpEnableLotStepDown=true, InpLotStepDownAfter > 0. InpEnableConsecHold can be false — counters update regardless. Check ActivityLog for step-down events.
<b>News AutoFetch not working</b>	Add <a href="https://nfs.faireconomy.media">https://nfs.faireconomy.media</a> to MT5 WebRequest allow list. Check Experts log for [NEWS-AUTO] Fetch FAILED message.
<b>Panel not visible on chart</b>	InpShowPanel may be false. Check InpPanelCorner and InpPanelX/Y offsets — panel may be positioned off-screen. Try InpPanelCorner=0, X=10, Y=30.
<b>[SERVER OFFLINE] on panel</b>	3+ consecutive HTTP failures. Server unreachable. EA will retry with 30s backoff. Check internet connection and VPS status.
<b>ANTI_HEDGE_BLOCKED in log</b>	Anti-hedge guard blocked entry because an opposite EA position exists on the same symbol. Close the opposite position first, or set InpAntiHedgeMode=OFF if running multi-TF strategies in STANDARD mode.
<b>Streak lots not activating</b>	Verify InpEnableStreakLots=true and InpLossStreakAfter is met. Check InpStreakLotCap — if set too low, multiplied lots may be at floor immediately.

## 10. Go-Live Checklist



Complete ALL items on this checklist on a demo account first. Only proceed to live once every item is verified. Trading with real money before completing this checklist is done entirely at the user's own risk.

<input type="checkbox"/>	<b>SETUP</b>	EA compiled with 0 errors, 0 warnings — ex5 file installed in MQL5/Experts folder
<input type="checkbox"/>	<b>SETUP</b>	WebRequest allowed for https://api.smartifytrade.com in MT5 Options
<input type="checkbox"/>	<b>SETUP</b>	InpLicenseID (Input 4) set correctly and EA shows [INIT] Ready in Experts tab
<input type="checkbox"/>	<b>SETUP</b>	since_pk > 0 after attach (confirms active server connection)
<input type="checkbox"/>	<b>SETUP</b>	AutoTrading enabled in MT5 (Ctrl+E)
<input type="checkbox"/>	<b>RISK</b>	InpDailyMaxLossMoney (Input 12) reviewed and set to an amount you can afford to lose in one day
<input type="checkbox"/>	<b>RISK</b>	InpCloseAllScope (Input 9) confirmed — 0 if you have manual trades, 1 if EA is sole user
<input type="checkbox"/>	<b>SIGNAL</b>	TradingView webhook firing correctly — visible in MT5 Experts tab as new signal entries
<input type="checkbox"/>	<b>SIGNAL</b>	Symbol mapping verified: check broker_symbol in Experts log matches your broker's symbol name
<input type="checkbox"/>	<b>SIGNAL</b>	sl_money > 0 in every signal (required for Prop mode MandatorySL)
<input type="checkbox"/>	<b>TESTING</b>	At least one BUY and one SELL trade executed and closed correctly on demo account
<input type="checkbox"/>	<b>TESTING</b>	PANIC button tested — closes positions as expected, then resumes correctly
<input type="checkbox"/>	<b>TESTING</b>	RESUME button tested — clears hold/block and allows new trades
<input type="checkbox"/>	<b>TELEGRAM</b>	If using Telegram: at least one test notification received successfully on your phone
<input type="checkbox"/>	<b>PROP</b>	If PROP mode: all limits verified against CURRENT firm rules (not Feb 2026 defaults)
<input type="checkbox"/>	<b>PROP</b>	If PROP mode: InpPropEnableMandatorySL=true and sl_money included in all signals
<input type="checkbox"/>	<b>PROP</b>	If PROP mode: tested daily loss scenario on demo to confirm correct blocking behavior
<input type="checkbox"/>	<b>PROP</b>	If PROP mode: Challenge Tracker showing correct profit % in panel
<input type="checkbox"/>	<b>VPS</b>	If using VPS: MT5 auto-start configured, EA attached to chart, AutoTrading enabled
<input type="checkbox"/>	<b>VPS</b>	If using VPS: WebRequest URL added in MT5 Options on the VPS machine specifically
<input type="checkbox"/>	<b>LIVE</b>	Starting lot size reviewed relative to account balance (risk management confirmed)
<input type="checkbox"/>	<b>LIVE</b>	InpEnableJournal=true to maintain full trade audit trail
<input type="checkbox"/>	<b>LIVE</b>	Activity Log accessible and showing correct EA version and settings

## 11. Appendix — All 153 Inputs Quick Reference

Complete alphabetical-by-section list of all inputs with their defaults and sensitivity ratings.

	Input	Default	Se c	Description
●	InpLicenseID	""	S1	License ID — mandatory. EA refuses to start if empty.
●	InpServerBaseUrl	"https://api.smartifytrade.com"	S1	Router server URL. Do not change.
●	InpSecret	"SMARTIFY_ROUTER_SECRET"	S1	Router secret key. Must match TradingView webhook.
●	InpBrandText	"SmartifyTrade.Com EA"	S1	Panel display name. Cosmetic only.
●	InpDefaultLots	0.01	S2	Default lots when signal omits lots field.
●	InpPollSeconds	1	S2	Server poll interval in seconds.
●	InpSkipBacklogOnStart	true	S2	Skip signals from before EA attach.
●	InpSymbolLock	""	S2	Lock to one symbol. Empty = allow all.
●	InpCloseAllScope	0	S3	0=EA positions only, 1=full MT5 account.
●	InpAntiHedgeMode	"AUTO"	S3	Cross-stream anti-hedge: AUTO/ON/OFF.
●	InpEnableDailyRisk	false	S4	Daily Risk \$ guard ON/OFF.
●	InpDailyMaxLossMoney	0.0	S4	Max daily loss \$ (0=off).
●	InpDailyMaxProfitMoney	0.0	S4	Max daily profit \$ (0=off).
●	InpRiskCloseAndStopEA	true	S4	true=close+remove EA. false=close only.
●	InpEnableSpreadGuard	false	S5	Spread guard ON/OFF.
●	InpMaxSpreadPoints	30	S5	Max spread points before blocking entry.
●	InpEnableSignalAge	false	S5	Signal age guard ON/OFF.
●	InpMaxSignalAgeSec	60	S5	Max signal age in seconds.
●	InpEnableTimeWindow	false	S6	Time window ON/OFF.
●	InpTradeWindowStart	"08:00"	S6	Window start HH:MM.
●	InpTradeWindowEnd	"17:00"	S6	Window end HH:MM.
●	InpEnableNewsBlackout	false	S6	News blackout ON/OFF.
●	InpNewsSource	"MANUAL"	S6	MANUAL or AUTO_FF (ForexFactory RSS).
●	InpNewsFilterCurrency	"USD, EUR, GBP, XAU"	S6	Currencies for AUTO_FF mode.
●	InpNewsTime1	""	S6	Manual news time 1 HH:MM.
●	InpNewsTime2	""	S6	Manual news time 2 HH:MM.
●	InpNewsTime3	""	S6	Manual news time 3 HH:MM.
●	InpNewsMinBefore	5	S6	Block N minutes before news.
●	InpNewsMinAfter	5	S6	Block N minutes after news.
●	InpEnableMaxTrades	false	S7	Max trades guard ON/OFF.
●	InpMaxTradesPerDay	10	S7	Max total trades per day (0=off).

	Input	Default	Se c	Description
●	InpMaxTradesPerSymDay	0	S7	Max trades per symbol per day (0=off).
●	InpEnableMaxPositions	false	S7	Max positions guard ON/OFF.
●	InpMaxOpenPositions	3	S7	Max simultaneous EA positions.
●	InpShowPanel	true	S8	Info panel ON/OFF.
●	InpPanelCorner	0	S8	Panel corner: 0=TL, 1=TR, 2=BL, 3=BR.
●	InpPanelX	10	S8	Panel X offset in pixels from corner.
●	InpPanelY	30	S8	Panel Y offset in pixels from corner.
●	InpShowPanicButton	true	S8	Panic Close button ON/OFF.
●	InpPanicPauseMinutes	30	S8	Pause after panic (min). 0=no pause.
●	InpShowSymbolStats	true	S8	Symbol stats in panel ON/OFF.
●	InpPersistSymStats	false	S8	Persist symbol stats via GlobalVariable.
●	InpEnableJournal	false	S8	Trade journal CSV ON/OFF.
●	InpAutoCloseBeforeExpiry	true	S8	Auto-close before license expiry.
●	InpAutoCloseBeforeExpirySec	5	S8	Seconds before expiry to auto-close.
●	InpEnableConsecHold	false	S9	Consecutive hold ON/OFF.
●	InpMaxConsecLosses	3	S9	Hold after X losses (0=off).
●	InpMaxConsecWins	0	S9	Hold after X wins (0=off).
●	InpHoldMinutes	30	S9	Hold duration in minutes.
●	InpHoldCloseAll	false	S9	Close all EA trades on hold trigger.
●	InpConsecScope	0	S9	0=per-symbol, 1=global.
●	InpEnableVelocityGuard	false	S10	Velocity guard ON/OFF.
●	InpVelocityWindowMin	10	S10	Rolling window in minutes.
●	InpVelocityMaxLoss	50.0	S10	Max loss \$ in window (0=off).
●	InpVelocityHoldMin	60	S10	Hold duration when velocity triggered (min).
●	InpVelocityCloseAll	false	S10	Close all on velocity trigger.
●	InpEnableDailyLossPct	false	S11	Daily loss % guard ON/OFF.
●	InpDailyMaxLossPct	5.0	S11	Max daily loss % of balance.
●	InpEnableProfitTarget	false	S11	Profit target ON/OFF.
●	InpDailyProfitTargetMoney	0.0	S11	Daily profit target \$ (0=off).
●	InpTotalProfitTargetMoney	0.0	S11	Total profit from EA start (0=off).
●	InpEnableATRLots	false	S12	ATR lot sizing ON/OFF.

Input	Default	Se c	Description
InpATTRiskMoney	50.0	S1 2	Risk \$ for ATR lot calculation.
InpATRPeriod	14	S1 2	ATR period (bars).
InpATRMultiplier	1	S1 2	ATR multiplier for SL distance.
InpATRTimeframe	"H1"	S1 2	ATR timeframe: M1/M5/M15/M30/H1/H4/D1.
InpEnableStreakLots	false	S1 3	Streak lot sizing ON/OFF.
InpLossStreakLotMult	0.5	S1 3	Loss streak multiplier. <1=Anti-mart >1=Mart.
InpLossStreakAfter	3	S1 3	Consecutive losses before streak activates.
InpEnableWinStreak	false	S1 3	Win streak lot sizing ON/OFF.
InpWinStreakLotMult	1.0	S1 3	Win streak multiplier. >1=Pyramid <1=Protect.
InpWinStreakAfter	2	S1 3	Consecutive wins before win streak activates.
InpStreakLotCap	0.0	S1 3	Max lot ceiling (0=no cap). Essential for prop.
InpStreakLotFloor	0.01	S1 3	Min lot floor.
InpEnableSessionMult	false	S1 4	Session lot multiplier ON/OFF.
InpSessionAsiaMult	0.5	S1 4	Asia (00:00-07:00 UTC). 0=block.
InpSessionLondonMult	1.0	S1 4	London (07:00-16:00 UTC). 0=block.
InpSessionNYMult	1.0	S1 4	New York (13:00-22:00 UTC). 0=block.
InpSessionOffMult	0.0	S1 4	Off-session. 0=block entries.
InpEnableMaxDDEntry	false	S1 5	Max DD from entry ON/OFF.
InpMaxDDFromEntry	50.0	S1 5	Max loss \$ from entry before auto-close.
InpEnablePCTrail	false	S1 5	PC trail ON/OFF.
InpPCTrailTriggerMoney	15.0	S1 5	Min profit \$ to arm trail.
InpPCTrailOffsetMoney	8.0	S1 5	Trail offset \$ from peak.
InpVirtualSLTP	"OFF"	S1 5	OFF / SL_ONLY / BOTH.
InpEnableLotStepDown	false	S1 6	Lot step-down ON/OFF.
InpLotStepDownAfter	3	S1 6	Losses before step-down. Min 1.
InpLotStepDownFactor	0.5	S1 6	Lot multiplier (0.01-0.99).
InpLotStepDownResetOnWin	true	S1 6	Auto-recover lots on first win.

Input	Default	Se c	Description
InpEnableDDRcovery	false	S17	DD recovery mode ON/OFF.
InpDDRcovery50Pct	0.5	S17	Lot mult at 50% DD threshold.
InpDDRcovery75Pct	0.25	S17	Lot mult at 75% DD threshold.
InpTelegramEnabled	false	S18	Telegram notifications ON/OFF.
InpTelegramBotToken	"YOUR_BOT_TOKEN_HERE"	S18	Bot token from @BotFather.
InpTelegramChatID	"YOUR_CHAT_ID_HERE"	S18	Telegram chat or group ID.
InpTgNotifyTradeOpen	true	S18	Notify on trade open.
InpTgNotifyTradeClose	true	S18	Notify on trade close (includes P&L).
InpTgNotifyDD	true	S18	Notify on DD warnings.
InpTgNotifyAlerts	true	S18	Notify on guard triggers.
InpTgNotifyNews	false	S18	Notify on news blackout events.
InpUseBrokerTime	false	S19	false=Broker time, true=UTC/GMT.
InpEnableScheduledStop	false	S19	Scheduled stop ON/OFF.
InpStopTime_YYYYMMDD_HHMMSS	"2026-12-31 18:30:00"	S19	Stop date-time in broker time.
InpStopCloseBeforeSec	5	S19	Pre-close seconds before stop time.
InpEnableSymbolAutoMap	true	S19	Symbol auto-mapping ON/OFF.
InpSymbolMapMaxCandidates	10	S19	Max mapping candidates.
InpSymbolMapPreferExact	true	S19	Prefer exact symbol match.
InpEnableSlippageMonitor	false	S20	Slippage monitor ON/OFF.
InpSlippageAlertPts	5.0	S20	Slippage alert threshold (points).
InpShowPerformanceStats	false	S21	Performance analytics panel ON/OFF.
InpStatsLookbackDays	0	S21	Lookback days (0=all time).
InpExportPerfCSV	false	S21	Export performance CSV weekly.
InpShowEquityCurve	false	S22	Equity curve sparkline ON/OFF.
InpEquityCurvePoints	50	S22	Last N trades in sparkline.
InpJournalWeeklySummary	false	S22	Weekly P&L summary CSV ON/OFF.
InpJournalPerStrategy	false	S22	Per-stream breakdown in summary.

	Input	Default	Se c	Description
●	InpEnableCorrelationGuard	false	S2 3	Correlation guard ON/OFF.
●	InpMaxCorrelatedPositions	2	S2 3	Max same-direction positions per group.
●	InpCorrelationGroups	"XAUUSD, XAGUSD ..."	S2 3	Symbol groups (  = separator).
●	InpShowTimeHeatmap	false	S2 4	Time heatmap in panel ON/OFF.
●	InpHeatmapLookbackDays	0	S2 4	Lookback days for heatmap.
●	InpExportHeatmapCSV	false	S2 4	Export heatmap CSV weekly.
●	InpVirtualTrailEnabled	false	S2 5	Virtual trail ON/OFF (needs VirtualSLTP).
●	InpVirtualTrailStep	10.0	S2 5	Trail step \$ from peak.
●	InpLoadPreset	"NONE"	S2 6	NONE/PROP_CONSERVATIVE/PROP_MODERATE/LIVE_CONSERVATIVE/BEGINNER_SAFE.
●	InpEAMode	"STANDARD"	S2 7	STANDARD or PROP mode.
●	InpPropProfile	"CUSTOM"	S2 7	CUSTOM/FTMO/The5ers/FundedNext/AlphaCapital/E8Markets.
●	InpPropEnableTrailingDD	false	S2 7	Trailing DD guard ON/OFF.
●	InpPropMaxTrailingDDPct	9.0	S2 7	Max trailing DD % from HWM.
●	InpPropDDCloseAll	false	S2 7	Close all on trailing DD hit.
●	InpPropEnableEquityDailyLoss	false	S2 8	Equity daily loss guard ON/OFF.
●	InpPropMaxEquityDailyLossPct	4.5	S2 8	Max equity daily loss %.
●	InpPropEquityLossCloseAll	false	S2 8	Close all on equity daily loss.
●	InpPropEnableConsistency	false	S2 8	Consistency rule ON/OFF.
●	InpPropConsistencyMaxPct	45.0	S2 8	Max % of net profit per trade.
●	InpPropConsistencyCloseAll	false	S2 8	Close all on consistency breach.
●	InpPropEnableMandatorySL	false	S2 9	Mandatory SL — rejects no-SL signals.
●	InpPropEnableMinDuration	false	S2 9	Min trade duration ON/OFF.
●	InpPropMinDurationSec	120	S2 9	Min open duration in seconds.
●	InpPropShowDashboard	true	S2 9	Prop dashboard ON/OFF.
●	InpShowChallengeTracker	true	S2 9	Challenge progress tracker ON/OFF.
●	InpMirrorMode	"OFF"	S3 0	OFF / MASTER / SLAVE.
●	InpMasterLicenseID	" "	S3 0	SLAVE: master LicenseID.

	Input	Default	Se c	Description
●	InpMirrorLotMult	1.0	S3 0	SLAVE: lot multiplier.
●	InpMirrorInvertDir	false	S3 0	SLAVE: invert direction.
●	InpSlaveSymbol	""	S3 0	SLAVE: override symbol.
●	InpSPMode	"OFF"	S3 1	OFF / MASTER / FOLLOWER.
●	InpSPMasterLicenseID	""	S3 1	FOLLOWER: master LicenseID to follow.
●	InpSPLotMult	1.0	S3 1	FOLLOWER: lot multiplier.
●	InpSPIInvertDir	false	S3 1	FOLLOWER: invert direction.
●	InpSPSLOverride	0.0	S3 1	FOLLOWER: SL override in \$ (0=use master's).
●	InpSPTPOverride	0.0	S3 1	FOLLOWER: TP override in \$ (0=use master's).
●	InpTimeoutMs	5000	S3 2	HTTP timeout in milliseconds.

