

Nika EA V1.27 Re-Entry

Quick Reference Guide

February 2026

MetaTrader 5 Expert Advisor

A concise reference for all signal modes, parameters, risk layers, and configuration options.

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Three-File System

Component	File	Purpose
Main EA	Nika-EA-V1.27-Re-Entry.mq5	Core trading logic, order management, risk engine
Indicator	Universal-Nika-Trading.mq5	Signal generation, histogram, crossover detection
MA Library	All_MA.mq5	11 moving average implementations (SMA through T3)

Signal Pipeline

Price Data → Heiken Ashi (optional) → Linear Regression of deviation from midpoint → MA Smoothing (11 types) → Signal Line + Average Line → Crossover / Level / Direction detection

Three Entry Types

Type	Magic#	Description
Main Entry	1000	Signal-driven initial trade entry
Re-Entry	1001	Re-enters after loss/exit in the same direction
Scale-In	1002	Adds to winning (or losing) positions at trigger levels

Rule System

12 signal modes × 3 slots each = 36 rule instances. Each rule has Enable, Timeframe, and Role (Entry or Filter). Entry and exit logic can require ALL rules or ANY rule to agree.

2 Signal Modes Reference

Each mode can be assigned to up to 3 independent rule slots with separate timeframes and parameters.

Mode	Name	Description
0	NikaCross	Signal line crosses Average line (primary signal)
1	NikaSigLevCross	Signal line crosses user-defined level
2	HistLevCross	Histogram crosses level (with HA option + smoothing)
3	HistUD	Histogram directional momentum (moving up/down)
4	MACross	Traditional fast/slow MA crossover (11 MA types)
5	2SigCross	Two independent Nika signal lines cross each other
6	2SigAvgCross	Two Nika signals cross one average line
7	Sig2AvgCross	One signal must cross above/below two average lines
8	SigUD	Pure directional momentum of the signal line
9	AvgUD	Pure directional momentum of the average line
10	SigAvgUD	Both signal and average must agree on direction
11	MAPriceCross	Price crosses above/below a moving average

Trade Settings

Parameter	Default	Description
_initial_entry_mode	0 (Wait)	0=Wait For Signal, 1=Immediate Entry
_trade_direction [V1.27]	0 (Both)	0=Long&Short, 1=Long Only, 2=Short Only
_max_entries	1	Max concurrent entries per direction
_max_day_entries [V1.27]	10	Max entries per day; 0=OFF
_lot_risk_perc	0.5	Risk % of account balance per trade
_close_on_opposite	false	Close position on opposite signal
_entry_control	0 (ALL)	0=ALL rules agree, 1=ANY rule triggers
_exit_control	0 (ALL)	0=ALL rules agree, 1=ANY rule triggers
_allow_hedge	true	Allow simultaneous long and short positions
_enable_spread_distance_compensation	true	Compensate SL/TP for spread distance
_enable_commission_compensation	false	Compensate targets for commission cost
_commission	0	Commission value when compensation enabled

Stoploss Settings

Parameter	Default	Description
_sl_method	0 (Fixed)	0=Fixed Pips, 1=ATR Multiplier, 2=Avg Price Promille
_sl_pips	50	Stoploss in pips (Fixed mode)
_atr_frame	Current	ATR timeframe
_atr_period	14	ATR period
_atr_multiplier	1.5	ATR multiplier for SL distance
_promille	10	Promille value for Avg Price mode
_promille_average_period	14	Price averaging period for Promille mode

Targets Settings (10 TP Levels)

Parameter	Default	Description
_allow_breakeven	true	Move SL to breakeven when first TP hit
_allow_sl_steps	true	Step SL up as successive TPs are hit
_tp1-tp10_multiplier	varies	TP distance as RRR multiplier; 0=OFF
_tp1-tp10_partial_perc	varies	Percentage of position to close at each TP level

Re-Entry Settings

Parameter	Default	Description
_max_re_entry_orders	0	Max re-entry count; 0=OFF, -1=INFINITE

Scale-In Entry Settings (10 Levels)

Parameter	Default	Description
_scale_range_variation	0.05	Variation tolerance for scale trigger range
_scale_trigger_1–10	0	RRR trigger level; 0=OFF; positive=in-profit, negative=against
_scale_size_1–10	varies	Size as % of main position lot

Trailing Stop Settings

Parameter	Default	Description
_allow_trailing	false	Enable trailing stop
_trail_method	0 (m-aslt2)	0=m-aslt2 (step-based), 1=m-pppt (pullback %)
_trailing_start	0.5	Trail start (RRR) — m-aslt2 mode
_trailing_step	0.2	Trail step (RRR) — m-aslt2 mode
_trailing_stop	1	Trail stop offset (RRR) — m-aslt2 mode
_allow_min_pips	true	Allow minimum RRR — m-pppt mode
_pullback_start [V1.27]	0.5	Min Pips RRR (was mpppt_start)
_pullback_perc [V1.27]	30	Close % (was mpppt_perc)

Daily / Weekly P&L Limits

Parameter	Default	Description
_max_pl_type	0 (Value)	0=Money value, 1=Percent of balance
_daily_loss_value	0	Max daily loss; 0=OFF
_daily_profit_value	0	Max daily profit; 0=OFF
_weekly_loss_value	0	Max weekly loss; 0=OFF
_weekly_profit_value	0	Max weekly profit; 0=OFF

Hours Filter

Parameter	Default	Description
_allow_trading_time	false	Enable trading hours filter
_trade_start_hour / _minute	—	Trading window start time
_trade_end_hour / _minute	—	Trading window end time
_use_server_time_zone	true	Use server time (vs. custom offset)
_close_on_time_filter [V1.27]	0 (Close)	0=Close all, 1=Close On Friday Only

Trade Cooldown

Parameter	Default	Description
_cooldown_frame	Current	Timeframe for bar counting
_wait_bars_main	0	Bars to wait after main entry; 0=OFF
_wait_bars_re_entry	0	Bars to wait after re-entry; 0=OFF
_wait_bars_scale	0	Bars to wait after scale-in; 0=OFF

Max Open Lot

Parameter	Default	Description
_max_open_lot	0	Maximum total open lot size; 0=OFF
_max_open_lot_symbol	0 (Current)	0=Current Symbol, 1=All Symbols

Daily Account Trailing Stop

Parameter	Default	Description
_allow_daily_trailing	false	Enable daily account trailing stop
trailStartInput	0.0	Trail start (% of balance)
trailStepInput	0.0	Trail step (%)
trailAmountInput	0.0	Trail amount (%)
DailyResumeHour / Minute	9 / 0	Hour and minute to resume after daily stop

Profit Scaling-Out

Parameter	Default	Description
_allow_profit_scale_out	false	Enable partial close on profit target
_profit_scale_out_calc_type	0	0=Balance %, 1=Fixed Amount
_profit_scale_out_trigger_value	3	Trigger value for scale-out
_profit_scale_out_close_percent	50	Percentage of position to close

1. **Max Entries per Direction** — Limits concurrent positions per side (`_max_entries`)
2. **Max Entries per Day** — Caps total entries in a single day (`_max_day_entries`)
3. **Max Re-Entry Series** — Limits how many re-entry attempts after a loss (`_max_re_entry_orders`)
4. **Max Open Lot** — Caps total open lot size — per symbol or across all symbols
5. **Daily Loss Limit** — Halts trading when daily loss threshold is reached
6. **Daily Profit Limit** — Locks in gains by stopping after daily profit target
7. **Weekly Loss Limit** — Weekly drawdown circuit breaker
8. **Weekly Profit Limit** — Weekly profit ceiling with auto-resume
9. **Daily Account Trailing Stop** — Trailing stop on total account P&L; for the day
10. **Hours Filter** — Restricts trading to defined time window (with Friday-close option)
11. **News Filter** — Pauses trading around high/medium/low impact economic events
12. **Trade Cooldown** — Enforces bar-based waiting period per entry type
13. **Profit Scale-Out** — Partial position close when profit target is reached
14. **Direction Filter** — Restricts to Long Only, Short Only, or Both
15. **Spread/Distance Compensation** — Adjusts SL/TP to account for spread costs

5 Moving Average Types

ID	Abbreviation	Full Name
0	SMA	Simple Moving Average
1	EMA	Exponential Moving Average
2	WMA	Weighted Moving Average
3	VWMA	Volume Weighted Moving Average
4	RMA	Running Moving Average (Wilder's)
5	DEMA	Double Exponential Moving Average
6	TEMA	Triple Exponential Moving Average
7	ZLEMA	Zero Lag Exponential Moving Average
8	HMA	Hull Moving Average
9	DONCHIAN	Donchian Channel Midline
10	T3	Tillson T3 Adaptive Moving Average

6 OnTester Custom Optimization Formulas

Select via **_drawdown_type**. Used for Strategy Tester custom criterion optimization.

ID	Formula
0	$\text{Result\%} / (\text{MaxDD\%} + 2)$
1	$\text{Result\%} \times \text{RecoveryFactor}$
2	$(\text{Result\%} / \text{MaxDD\%} + 2) \times \text{RecoveryFactor}$
3	$(\text{Result\%} / \text{MaxDD\%}) \times \text{RecoveryFactor}$
4	$(\text{Result\%} / \text{MaxDD\%}) \times \text{Sharpe}$

7 MT5 Timeframe Codes

Use these integer codes when setting timeframes in SET files or optimization ranges.

TF	Code	TF	Code	TF	Code	TF	Code
M1	1	M10	10	H1	16385	H8	16392
M2	2	M12	12	H2	16386	H12	16396
M3	3	M15	15	H3	16387	D1	16408
M4	4	M20	20	H4	16388	W1	32769
M5	5	M30	30	H6	16390	MN1	49153
M6	6						