Auto Close Trade Pairs

Complete Guide & Strategy Matrix

Intelligent Position Management System
Trade Portfolio Dashboard EA

Table of Contents

- Extreme Scenarios
- Decision Matrix
- Quick Reference Formulas

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PART 1

Understanding Auto Close Trade Pairs

Overview

Auto Close Trade Pairs is an intelligent position management system that automatically pairs profitable trades with losing trades to lock in profits while strategically reducing exposure on losing positions. Instead of simply closing all trades when you hit a profit target, this feature allows you to take profits AND simultaneously reduce (not eliminate) your losing positions, giving them room to recover while still banking gains.

✓ **Lock in profits immediately**	✓ **Strategic position reduction**
✓ **Improve average entry price**	✓ **Maintain recovery potential**
✓ **Intelligent risk management**	✓ **24/7 automated monitoring**

How It Works - The Logic Flow

Step 1: Identify a Profitable Trade

The system continuously monitors all open positions looking for trades that meet your profit target. The trade must be in profit (positive P&L; including swap and commission) and must meet either the Money Target (e.g., $50+) OR Percent Target (e.g., 0.25% of balance). If either threshold is met, this trade becomes a candidate for pairing.

Step 2: Find a Suitable Losing Trade to Pair

Once a profitable trade is found, the EA searches for losing trades that meet ALL of these criteria:

- **Filter 1: Minimum Drawdown Threshold** - The losing trade must have significant drawdown. Must meet either Min Loss Amount (e.g., -$50) OR Min Loss Percent (e.g., 0.25% of balance). This prevents wasting your profitable trade on closing out positions with minimal drawdown.
- **Filter 2: Minimum Trade Count on Symbol** - The symbol must have a minimum number of open trades (e.g., 3 or more). This ensures you're not closing your last position on a symbol prematurely.
- **Filter 3: Scope Selection** - Same Symbol Only pairs with losing trades on the same symbol as the winner. Any Symbol can pair with any losing trade regardless of symbol.
- **Filter 4: Improves Average Price (CRITICAL)** - The losing trade must be one that, if closed, would IMPROVE the average entry price of remaining positions. For BUY trades: Only closes trades opened ABOVE the current average. For SELL trades: Only closes trades opened BELOW the current average. This is the 'smart reduction' logic.
- **Filter 5: Selection Priority** - Largest Loss First closes the trade with the biggest dollar loss. Largest Lot Size First closes the trade with the most volume. Allows you to prioritize based on your risk management preference.

Step 3: Calculate the Combined Result

Before executing, the system calculates: **Combined Profit = Full Winner Profit + (Loser × Partial Close %)**

Example with 50% partial close: Winner: +$50 (close 100%), Loser: -$40 (close 50% = -$20), Combined: +$50 + (-$20) = **+$30 net profit**

The combined result must STILL meet your profit target threshold to execute.

Step 4: Execute the Pairing

If all conditions are met: (1) Closes 100% of the profitable trade - locks in the winner, (2) Partially closes the losing trade (e.g., 50%) - reduces exposure, (3) Banks the net profit to your account, (4) Leaves 50% of the losing trade open to potentially recover.

Why This Works - The Strategic Benefits

1. You Don't Give Back Profits

Traditional strategies wait for ALL trades to be profitable, which means your winners give back gains while waiting. This approach locks in profits immediately.

2. Strategic Position Reduction

Instead of closing entire losing positions (which might recover), you reduce them by a percentage. You're cutting your risk in half (or by whatever % you choose) while maintaining exposure to potential recovery.

3. Improves Your Average Entry Price

By only closing trades that IMPROVE your average, you're strategically removing your worst entries. This means your remaining positions have a better average price, smaller moves in your favor result in breakeven or profit, and you're 'trimming the fat' from your position.

4. Prevents Premature Exits on Small Drawdowns

The minimum drawdown filter ensures you're not wasting big winners on tiny losers. You save your profitable trades to offset meaningful drawdowns.

5. Maintains Position Sizing Control

By requiring a minimum number of trades per symbol, you ensure you're not abandoning a symbol strategy prematurely. You maintain a position even after reduction.

Real-World Example

Your Settings:
• Balance: $10,000
• AutoClosePairPercent: 0.25% ($25)
• MinDrawdownPercent: 0.25% ($25 minimum loss)
• MinDrawdownClosePercent: 50%
• MinTradesForDrawdown: 3
• Scope: Same Symbol
• Selection: Largest Loss First

Scenario: You have 4 positions on EURUSD:

Position	P&L	% of Balance	Status
Position A	+$60	0.6% profit	✓ Winner candidate
Position B	-$50	0.5% loss	✓ Loser candidate
Position C	-$5	0.05% loss	✗ Too small
Position D	+$10	0.1% profit	✗ Not big enough

What Happens:
1. Position A (+$60) is identified as a profitable trade meeting the 0.25% threshold
2. System searches for losing trades on EURUSD
3. Position C (-$5) is rejected - doesn't meet 0.25% minimum drawdown
4. Position B (-$50) qualifies - meets drawdown requirement
5. System checks: Position B opened at a worse price than average ✓
6. Calculates combined: +$60 + (-$50 × 50%) = +$35 (0.35% profit) ✓

EXECUTES:
• Closes 100% of Position A: +$60 banked
• Closes 50% of Position B: reduces exposure by half
• Net result: **+$35 profit locked in**
• Position B still has 50% open with improved average price

Visual Example: Before & After

	BEFORE Pairing	AFTER Pairing
Position A	+$60 (Winner)	CLOSED - Profit locked in
Position B	-$50 (Loser)	-$25 (50% closed, 50% remains)
Position C	-$5 (Small loss)	UNCHANGED
Position D	+$10 (Small profit)	UNCHANGED

Net Change		**+$35 profit banked**
Risk Reduction		**Position B exposure cut in half**
Recovery Potential		**Position B still has 50% to recover**

Configuration Strategy Guide

Strategy	Settings	Result
2x Profit Multiplier (Conservative)	MinDrawdownPercent = 0.4% AutoClosePairPercent = 0.2% Close Percent = 50%	Winner must be 2x what you're closing from loser
3x Profit Multiplier (Very Conservative)	MinDrawdownPercent = 0.4% AutoClosePairPercent = 0.4% Close Percent = 50%	Winner must be 3x what you're closing from loser
Aggressive Position Reduction	MinDrawdownPercent = 0.3% AutoClosePairPercent = 0.15% Close Percent = 75%	Frequent exits, large reduction per trade
Patient, Large Profits	MinDrawdownPercent = 1.0% AutoClosePairPercent = 0.5% Close Percent = 50%	Only big moves, substantial profits

Key Advantages

1. Intelligent Risk Management

Not all losing trades are equal. This system identifies which losing positions are actually hurting your portfolio and strategically reduces them while keeping potential recovery opportunities.

2. Average Down Without Adding Capital

By selectively closing your worst entries, you effectively 'average down' your remaining positions without risking additional capital.

3. Profit Protection

Locks in winners immediately rather than waiting for all positions to align, preventing the common scenario where profits evaporate during drawdown periods.

4. Customizable to Your Strategy

Whether you're a scalper taking frequent small wins or a swing trader waiting for larger moves, the flexible parameters adapt to your trading style.

5. Set It and Forget It

Once configured, the system runs 24/7 monitoring for opportunities. You wake up to realized profits and strategically reduced positions.

6. Transparent Logic with Detailed Logging

Every decision is logged with clear reasoning, so you understand exactly why pairings happen (or don't happen), building confidence in the system.

Technical Highlights

- ✓ Monitors all positions in real-time
- ✓ Calculates average entry prices dynamically
- ✓ Includes swap and commission in all P&L; calculations
- ✓ Validates trades are still valid before execution
- ✓ Handles partial close lot size rounding automatically
- ✓ Works with any broker that supports partial closes
- ✓ Compatible with both MT4 and MT5
- ✓ Extensive error handling and validation
- ✓ Detailed logging for transparency and debugging

Summary

Auto Close Trade Pairs transforms traditional profit-taking into an intelligent position management system. Instead of simply closing winners, it strategically pairs them with your worst-performing positions to lock in profits while reducing (not eliminating) exposure on losing trades. By only closing trades that improve your average entry price and meet minimum drawdown thresholds, you're making smart reductions that give remaining positions the best chance of recovery. It's like having a professional risk manager watching your account 24/7, automatically making the tough decisions to protect profits while maintaining strategic exposure.

PART 2

Strategy Matrix & Reference Tables

Table 1: Impact of Close % on Required Winner Ratio

Fixed: MinDrawdownPercent = 0.4%, AutoClosePairPercent = 0.2%, Balance: $10,000

Close %	Loser Size	Amount Closed	Winner Needed	Winner ÷ Closed	Net Result
25%	-$40 (-0.4%)	-$10 (-0.1%)	+$30 (+0.3%)	3.0x	+$20 (0.2%)
50%	-$40 (-0.4%)	-$20 (-0.2%)	+$40 (+0.4%)	2.0x	+$20 (0.2%)
75%	-$40 (-0.4%)	-$30 (-0.3%)	+$50 (+0.5%)	1.67x	+$20 (0.2%)
100%	-$40 (-0.4%)	-$40 (-0.4%)	+$60 (+0.6%)	1.5x	+$20 (0.2%)

Key Insight: *Lower close % = Higher multiplier needed, but smaller winner position required overall*

Table 2: Various Strategy Combinations

Balance: $10,000

Min Loss %	Close %	Target %	Loser	Closed	Winner	Multi	Net	Strategy
0.2%	50%	0.1%	-$20	-$10	+$20	2.0x	+$10	Aggressive
0.2%	50%	0.2%	-$20	-$10	+$30	3.0x	+$20	Conservative
0.3%	50%	0.15%	-$30	-$15	+$30	2.0x	+$15	Aggressive
0.3%	50%	0.3%	-$30	-$15	+$45	3.0x	+$30	Conservative
0.4%	25%	0.2%	-$40	-$10	+$30	3.0x	+$20	Cautious Exit
0.4%	50%	0.2%	-$40	-$20	+$40	2.0x	+$20	Balanced
0.4%	75%	0.2%	-$40	-$30	+$50	1.67x	+$20	Aggressive Exit
0.4%	100%	0.2%	-$40	-$40	+$60	1.5x	+$20	Full Exit
0.5%	50%	0.25%	-$50	-$25	+$50	2.0x	+$25	Balanced
0.5%	50%	0.5%	-$50	-$25	+$75	3.0x	+$50	Very Conservative
0.6%	50%	0.3%	-$60	-$30	+$60	2.0x	+$30	Balanced
0.8%	50%	0.4%	-$80	-$40	+$80	2.0x	+$40	Balanced
1.0%	50%	0.5%	-$100	-$50	+$100	2.0x	+$50	Large Positions
1.0%	50%	1.0%	-$100	-$50	+$150	3.0x	+$100	Very Conservative
1.5%	50%	0.75%	-$150	-$75	+$150	2.0x	+$75	Large Positions
2.0%	50%	1.0%	-$200	-$100	+$200	2.0x	+$100	Very Large

Table 3: Fixed 2.0x Multiplier Strategies

All settings give you 2x profit on what you close (Balance: $10,000)

Min Loss %	Close %	Target %	Loser Needs	You Close	Winner Needs	Net Result
0.2%	50%	0.1%	-$20+	-$10	+$20	+$10
0.3%	50%	0.15%	-$30+	-$15	+$30	+$15
0.4%	50%	0.2%	-$40+	-$20	+$40	+$20
0.5%	50%	0.25%	-$50+	-$25	+$50	+$25
0.6%	50%	0.3%	-$60+	-$30	+$60	+$30
0.8%	50%	0.4%	-$80+	-$40	+$80	+$40
1.0%	50%	0.5%	-$100+	-$50	+$100	+$50
1.5%	50%	0.75%	-$150+	-$75	+$150	+$75
2.0%	50%	1.0%	-$200+	-$100	+$200	+$100

Pattern: *Target % = Min Loss % ÷ 2 (always gives 2x multiplier)*

Table 4: Fixed 3.0x Multiplier Strategies

All settings give you 3x profit on what you close (Balance: $10,000)

Min Loss %	Close %	Target %	Loser Needs	You Close	Winner Needs	Net Result
0.2%	50%	0.2%	-$20+	-$10	+$30	+$20
0.3%	50%	0.3%	-$30+	-$15	+$45	+$30
0.4%	50%	0.4%	-$40+	-$20	+$60	+$40
0.5%	50%	0.5%	-$50+	-$25	+$75	+$50
0.6%	50%	0.6%	-$60+	-$30	+$90	+$60
0.8%	50%	0.8%	-$80+	-$40	+$120	+$80
1.0%	50%	1.0%	-$100+	-$50	+$150	+$100
1.5%	50%	1.5%	-$150+	-$75	+$225	+$150
2.0%	50%	2.0%	-$200+	-$100	+$300	+$200

Pattern: *Target % = Min Loss % (always gives 3x multiplier)*

Table 5: Extreme Scenarios

Balance: $10,000

Strategy	Min Loss %	Close %	Target %	Loser	Closed	Winner	Multi	Notes
Scalping	0.1%	25%	0.05%	-$10	-$2.50	+$7.50	3.0x	Very frequent
Day Trading	0.3%	50%	0.15%	-$30	-$15	+$30	2.0x	Active
Swing Trading	1.0%	50%	0.5%	-$100	-$50	+$100	2.0x	Larger moves
Position Trading	3.0%	50%	1.5%	-$300	-$150	+$300	2.0x	Long-term
Ultra Safe	0.5%	25%	0.5%	-$50	-$12.50	+$62.50	5.0x	Rarely triggers
Quick Reduction	0.4%	75%	0.2%	-$40	-$30	+$50	1.67x	Fast exit

Table 6: Decision Matrix - Which Settings Should You Use?

Your Goal	Recommended Settings	Why
Get 2x profit, trade frequently	MinLoss=0.3%, Close=50%, Target=0.15%	Triggers often with decent profit
Get 2x profit, larger positions	MinLoss=1.0%, Close=50%, Target=0.5%	Only big moves, bigger gains
Get 3x profit, patient	MinLoss=0.5%, Close=50%, Target=0.5%	Better ratio, less frequent
Reduce risk quickly	MinLoss=0.4%, Close=75%, Target=0.2%	Large reduction per trigger
Test waters cautiously	MinLoss=0.5%, Close=25%, Target=0.25%	Small closes, high safety
Maximum aggression	MinLoss=0.2%, Close=100%, Target=0.1%	Frequent full exits

Quick Reference Formulas

Multiplier Formula:
Multiplier = (Target% + (MinLoss% × Close%/100)) ÷ (MinLoss% × Close%/100)

For 2x multiplier: *Target% = MinLoss% × Close%/100*
For 3x multiplier: *Target% = MinLoss% × Close%/100 × 2*

Example: *If MinLoss=0.4% and Close=50%, then:*
• For 2x: Target = 0.4% × 0.5 = 0.2%

• *For 3x: Target = 0.4% × 0.5 × 2 = 0.4%*