

US30 Dow Scalper

User manual

Note: This manual also applies to the **EA US30 Auditor Scalper**. Parameters that are exclusive to the licensed version of the **US30 Dow Scalper** are indicated as needed.

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1. Product overview

US30 Dow Scalper is a fully automated EA developed for profitable scalping on the US30 Dow Jones index. It does not use dangerous Grid or Martingale strategies.
The strategy determines the volatility and key levels (highs/lows) that occurred at the start of the New York session.

US30 Dow Scalper has an excellent ratio of closed positions in profit compared to those closed in loss. US30 Dow Scalper was developed with the aim of maintaining low drawdown, reducing trading risks and protecting the account from significant losses. Each trade is protected by a relatively low stop loss, but this can be freely adjusted by the user according to their risk tolerance.

US30 Dow Scalper does not use AI, which would require constant updating based on changing market conditions and, consequently, your total dependence on the developer.
On the other hand, all parameters are freely configurable for customized adaptation to your trading styles.
Below are some setting files for more conservative trading with low drawdown, as I like it, or more aggressive trading with higher profits but also slightly higher drawdown.

Advantages of US30 Dow Scalper EA MT5:

- Limits losses to a few dollars with 0.10 lots for account protection.
- Opens trades only during periods of high volatility.
- No dangerous Grid/Martingale strategy.
- Avoid overtrading (only 1 trade per day).
- Uses a proven strategy customized for the US30.
- Does not use artificial intelligence that induces dependence on the developer.
- Every trader can easily customize their trading style by adjusting the settings.

Why choose to trade the US30 index:

- High volatility: at certain hours, especially at the opening of the New York session, the volatility of the US30 is excellent for scalpers.
- High liquidity and low commissions: the US30 has a huge global trading volume with fast order execution. Most brokers also do not charge commissions on US30 trades.

One last note before leaving you to test US30 Dow Scalper EA MT5: **backtest the settings that best suit your trading style, paying particular attention to drawdown, risk and the losses you are willing to accept**. Don't be blinded by high profits in a short period of time, as this often leads to high drawdowns and losses.

2. Product versions

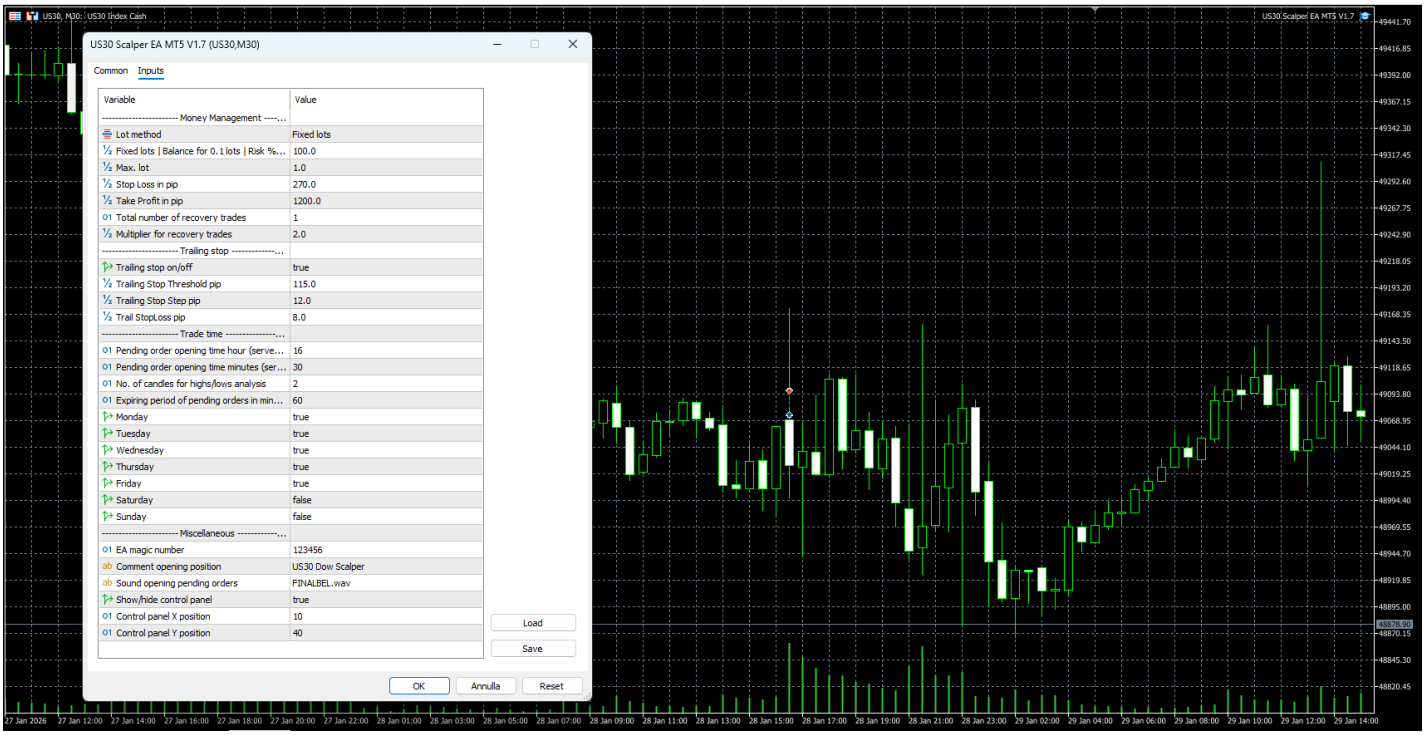
The first version released to the public is V1.7. Subsequent updates will be made available via the MQL5 website.

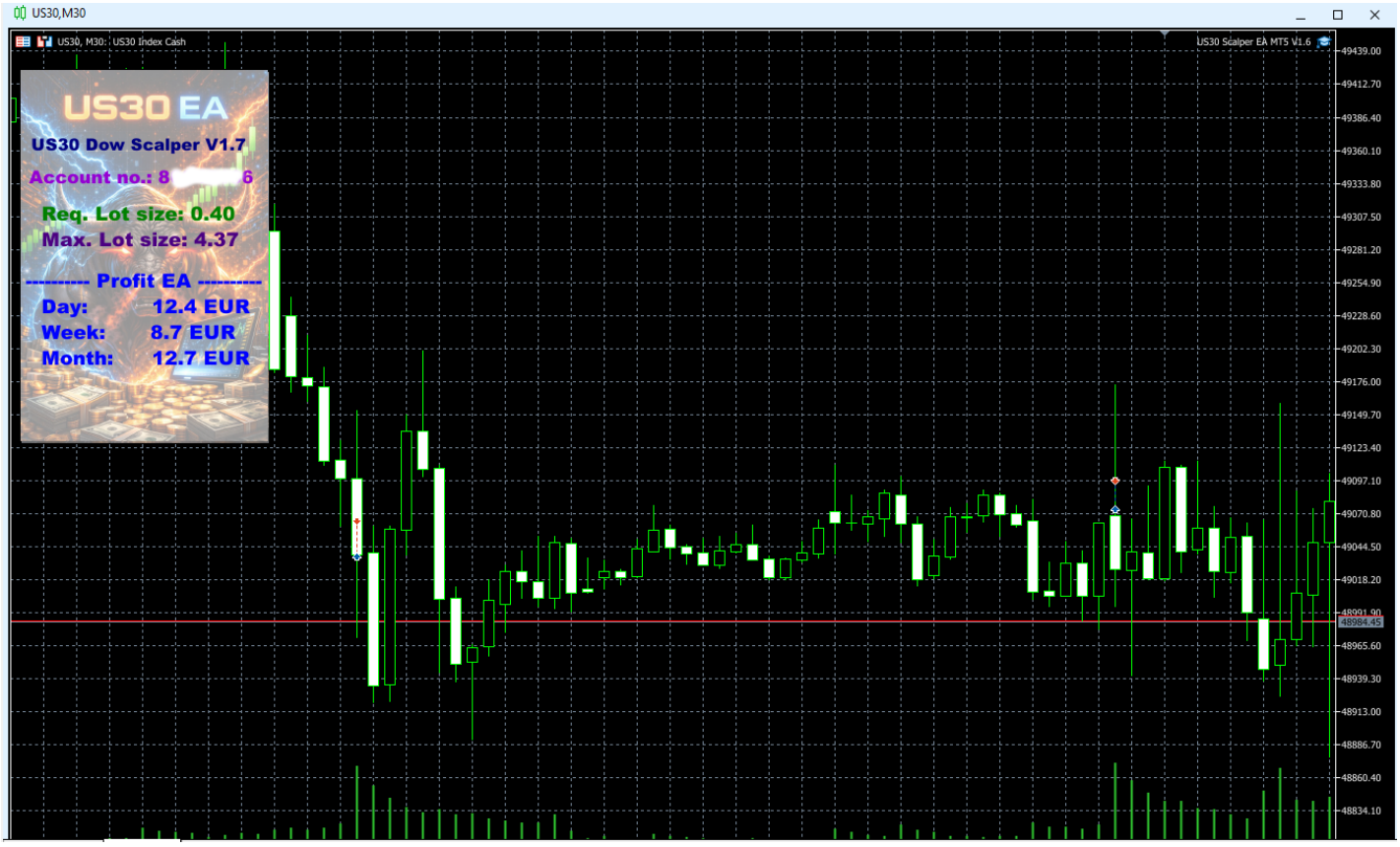
3. Technical requirements

Symbol	US30 Dow Jones
Timeframe	M30
Minimum Capital	$100 per 0.01 lot
Recommended Capital	$200 per 0.01 lot
Account Type	Raw, Zero or ECN
Brokers	Any broker with low latency and slippage
VPS	Highly recommended

4. Executing EA on the chart

Simply drag the EA onto the chart and set the desired parameters.





5. Setting parameters

Parameter	Description
Lot method (US30 Dow Scalper only)	Fixed lots Balance for 0.1 lots Risk % on balance
Fixed lots (US30 Dow Scalper only)	See detailed description in next chapter
Balance for 0.1 lots (US30 Dow Scalper only)	See detailed description in next chapter
Risk % on balance (US30 Dow Scalper only)	See detailed description in next chapter
Max. lot (US30 Dow Scalper only)	Maximum lot size to be opened
Stop Loss in pip	Stop Loss in pip
Take Profit in pip	Take Profit in pip
Total number of recovery trades	Total number of recovery trades after a loss trade
Multiplier for recovery trades	Multiplier for recovery trades
Max. slippage in pips (US30 Dow Scalper only)	Limits execution slippage (if supported by broker)
Price proximity safety margin 1 (pips) (US30 Dow Scalper only)	See detailed description of this parameter in next chapter
Price proximity safety offset 1 (%) (US30 Dow Scalper only)	See detailed description of this parameter in next chapter
Max. spread in points	Max allowed spread
Price proximity safety offset 2 (%) (US30 Dow Scalper only)	See detailed description of this parameter in next chapter
Long Wick Threshold (%) (US30 Dow Scalper only)	See detailed description of this parameter in next chapter
Min Candle Size (Pips) (US30 Dow Scalper only)	See detailed description of this parameter in next chapter
Reference Body or Full range (US30 Dow Scalper only)	See detailed description of this parameter in next chapter
Daily High/Low Filter (US30 Dow Scalper only)	See detailed description of this parameter in next chapter
Fixed buffer factor	If greater than 0, it uses a fixed distance from the current price to open the trade, and the previous settings are ignored. If = 0: unchanged from the previous version (backwards compatibility)
Trailing stop on/off	Enable/disable trailing stop. If you enable trailing stop (default), set TP to 0 to disable it
Trailing Stop Threshold pip	Minimum profit in pips required before the trailing stop is activated
Trailing Stop Step pip	Minimum price movement in pips that triggers an update of the trailing stop
Trail Stop Distance pip	Fixed distance in pips between the current price and the trailing stop level
Grid enabled instead of single position (US30 Dow Scalper only)	NEW: see detailed description of this parameter in next chapter
Max number of grid levels - Per Basket (US30 Dow Scalper only)	NEW: see detailed description of this parameter in next chapter
Grid multiplier (1.0 = flat grid, >1.0 = Martingale-like) (US30 Dow Scalper only)	NEW: see detailed description of this parameter in next chapter
Distance grid levels in fixed points; 0 = based on ATR (US30 Dow Scalper only)	NEW: see detailed description of this parameter in next chapter
Per-basket PnL target (BUY/SELL separate) (US30 Dow Scalper only)	NEW: see detailed description of this parameter in next chapter
Also check combined BUY+SELL PnL (US30 Dow Scalper only)	NEW: see detailed description of this parameter in next chapter

Combined BUY+SELL PnL target (closes both baskets) (US30 Dow Scalper only)	NEW: see detailed description of this parameter in next chapter
Circuit breaker: close ALL if total DD > value (0 = OFF) (US30 Dow Scalper only) – **Important Safety parameter**	NEW: see detailed description of this parameter in next chapter
Trade time	On which days of the week to trade - Please note: this feature is no longer available from version V2.3 and has been replaced by Weekday multiplier
Weekday multiplier (US30 Dow Scalper only)	See detailed description of this parameter in next chapter
Pending order opening time hour (server time)	See detailed description of this parameter in next chapter
Pending order opening time minutes (server time)	See detailed description of this parameter in next chapter
No. of candles for highs/lows analysis	Number of candles to consider when calculating high and low values (default = 2)
Expiring period of pending orders in minutes	Pending order will expire after this period of time
EA magic number (US30 Dow Scalper only)	Magic number
Comment opening position (US30 Dow Scalper only)	Comment
Sound opening pending orders	Sound played when the position is opened
Show Panel	Show/hide control panel
Control panel X position	X position control panel
Control panel Y position	Y position control panel

6. Detailed parameters description

- **Lot method & Fixed lots | Balance for 0.1 lots | Risk % on balance**

  Lot method chooses one of three methods.

  Fixed lots: simply input the desired lot size, e.g. 0.2 lots.

  Balance for 0.1 lots: example => if you have a balance of $1000 and set 1000 in this parameter, the first lot size that will be opened will be 0.01 lots.

  If you have a balance of $1000 and set 500, the first lot size that will be opened will be 0.2 lots, and so on.

  Risk %: set the max. percentage of risk you want to assume, based on the available balance. Example: 1% with balance 1000$ means that the max. loss you can accept on one trade is 10$. The EA internally calculates the proper lot size based on balance, risk % and SL you have defined.

  Note: both the Balance for 0.1 lots and Risk % methods will initially open the corresponding lot size, but the lot size will increase or decrease depending on the change of the balance.

- **Price proximity safety margin 1 (pips)**

  This parameter defines a safety buffer in pips to check if the current market price is too close to the pending order's entry level. It prevents order execution errors or immediate slippage when the market is hovering near the trigger price.

- **Price proximity safety offset 1 and 2 (%)**

  Note: If the High is established without a long wick (as defined in **Advanced Settings**), the EA uses Price proximity safety margin 1 '. If a long wick rejection is present, 'Price proximity safety margin 2' is used instead.

  If the proximity margin check fails (price too close), this percentage value is added to the original stop price to shift the entry level further away. It ensures the pending order maintains a valid distance from the current price, allowing for successful placement according to broker requirements and/or adequately shifting the entry level in the event of a widely hovering price. Determine the appropriate value through back testing. In my experience, higher values provide higher reliability.



Advanced Settings:



This chart shows a powerful **bullish rejection** signal. The highlighted candle forms a decisive **high**, but the vast majority of its range is defined by an extensive **upper wick** (shadow), which is much longer than the **real body**. This tells us that within this single timeframe, buyers successfully pushed the price up, only to be overwhelmed by dominant **selling pressure** that forced deep retracement before the close.
Such deep rejection at a key high **strongly indicates exhaustion of bullish momentum**, often preceding a price reversal or retracement.

- ## Long Wick Threshold (%)

  Defines the minimum percentage of the candle's total range that must be occupied by the upper or lower shadow (wick) to identify a "Long Wick" pattern.

  Usage: Set to e.g. 50 to identify candles where the wick is at least half of the entire candle height. This is used to detect price rejection at key levels.

  Value 0: Disables the wick filter.

- ## Min Candle Size (Pips)

  Sets the minimum vertical distance (High to Low) required for a candle to be considered valid for wick analysis.

  Usage: This prevents the EA from triggering on "Doji" or small noise candles where a 50% wick might represent only a few points of movement.

  Value 0: Disables the size constraint.

- ## Reference Body Only

  Determines the calculation method for the wick ratio.

  TRUE: Compares the wick length specifically against the **Real Body** (Open to Close).

  FALSE: Compares the wick length against the **Full Range** (High to Low).

  Usage: Switch to TRUE if you want a stricter filter that ignores the opposite wick during the calculation.

- ## Session High/Low Filter

  A smart filter that validates a wick only if it has established the **Absolute Maximum (High)** or **Absolute Minimum (Low)** within the current set analysis period (No. of candles for highs/lows analysis).

  Usage: Enable this to ensure you are only trading major price reversals at **period extremes**, filtering out "fake" wicks that occur as noise inside the recent price range. This ensures the rejection is happening at a significant structural turning point.

Note: setting Long Wick Threshold or Min Candle Size to 0, will disable all Advanced settings

- **Pending order opening time hours (broker's server time)**

  Set the **Hour** of the New York Stock Exchange opening (9:30 AM NY Time) as it appears on your **Broker's Market Watch** clock.

  - **How to check:** On Monday morning, look at the "Market Watch" window in your MetaTrader terminal. Note the server time when Wall Street opens (9:30 AM EST/EDT).
  - **Examples:** On most GMT+2/+3 brokers (like FP Markets or IC Markets), 9:30 AM NY Time usually corresponds to **16:30** (Summer) or **15:30** (Winter) on the server.
  - **Important:** You must manually update this value during the Daylight Saving Time (DST) transition weeks in March and October/November. Ensure the configured hour always matches the server time at the exact moment of the New York open.

  ⚠️ **DST ALERT:** During March and November, the difference between Market Time and Server Time will change. You **MUST** manually update these settings when you see the on-screen alert.

  Why is this setting manual? (Technical Note)

  The global transition to Daylight Saving Time (DST) is not synchronized. For example, the United States typically changes its clocks **two to three weeks before** Europe.

  Furthermore, different brokers follow different server time rules:

  - **Broker A** may align its server clock with the New York transition (US DST).
  - **Broker B** may align its server clock with the London/Cyprus transition (EU DST).
  - **Broker C** (especially in Australia or Asia) may follow a completely different internal logic or no DST at all.

  Because of these inconsistencies, an automatic calculation could lead to your trades opening **one hour too early or too late** during the transition weeks in March and October. To ensure 100% accuracy and protect your capital, manual verification against your **Market Watch** clock is the most reliable method.

- **Weekday multiplier (specific for each weekday)**

Not all trading days are created equal. Historical data often shows that certain days of the week exhibit higher win rates or better volatility for specific strategies. This parameter enables you to capitalize on these patterns by applying a custom multiplier to your lot size for each weekday.

By assigning a higher multiplier to your most profitable days, you can 'lean into' high-probability setups and increase your potential return. Conversely, it allows you to scale back during days that typically underperform, ensuring a more efficient and data-driven approach to risk management.

Please note: from **version 2.3** this setting replaces the previous 'Trade time' parameter. Setting the value to zero will disable trading on that specific day.

- **Grid Feature Implementation (NEW from V2.8)**

Added a dynamic grid mechanism specifically tailored for US30 trading around the New York Session Open. During the NY open, US30 frequently exhibits high initial volatility, often sweeping liquidity with an aggressive impulse in one direction before mean-reverting back toward the opening price levels. The grid feature—paired with a wider overall Stop Loss—allows the EA to absorb these temporary fakeouts and liquidity hunts, averaging the entry price and capitalizing on the subsequent retracement toward the mean.

Important risk notice
The Grid module is an optional feature and is considerably riskier than trading with single positions. Instead of closing a losing trade, the EA adds further positions at predefined distances and aims to close the whole basket in profit when price returns. This can be profitable when used correctly, but a strong, sustained trend against the basket **can lead to large losses**, especially with a lot multiplier above 1.0.

Use the Grid only with full awareness of these risks. Always run thorough and accurate backtests (including strong trending periods and high-volatility phases), verify the results on a demo account, and set the maximum risk (levels, lot size and drawdown limit) to an amount you can truly afford to lose. **Never trade with money you cannot afford to lose.**

When using the grid, the SL should be set to zero (disabled) or to a high value, to be used as an additional safety limit in conjunction with **Circuit breaker**

Grid enabled	Enables the Grid. When active, the EA manages a basket of positions per direction instead of a single position.
Max number of grid levels - Per Basket	Maximum number of positions per basket (BUY and SELL baskets are counted separately). No further levels are opened once the limit is reached.
Grid lot multiplier	Lot size multiplier applied at each new level. 1.0 = flat grid (same lot for every level). Values above 1.0 increase the lot at each level (Martingale-like): faster recovery, but exposure and risk grow rapidly.
Distance grid levels	Distance between grid levels, in points. Set to 0 to use an ATR-based distance that adapts to current volatility.
Per-basket PnL target	Profit target for each basket, in account currency. When a basket (BUY or SELL, evaluated separately) reaches this value, all its positions are closed.
Also check combined BUY+SELL PnL	Also evaluates the combined result of BUY and SELL baskets together.
Combined BUY+SELL PnL target	Target for the combined BUY+SELL result, in account currency. When reached, both baskets are closed.
Circuit breaker (max drawdown	Emergency protection: if the total floating loss exceeds this value, in account currency, all positions are closed. 0 = disabled. Set it according to your account size and the maximum loss you accept.

7. Best Practice

Before using the EA on a live account, it is recommended that you configure and test all parameters and verify that its operation meets your needs by simulating all your trading conditions on a demo account.

Only if the results are positive after this testing and training period can it be used on a real account.

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8. Troubleshooting

US30 Dow Scalper has been extensively tested prior to distribution; however, anomalies caused by use with different brokers, connection latencies, etc. cannot be ruled out.

In such cases, please contact me via MQL5 web site.

Issues:

The EA does not start / Does not appear in the chart

Solution:

1. Restart MT5
2. Check the Journal (F2) for any errors
3. Verify that 'Algo trading' is enabled

EA execution stops before it's done in the Strategy Tester

Solution:

Always check the error messages in Journal in case of interruptions in EA execution because with US30, if you increase too much the lot size or the risk percentage, depending on your leverage you may exceed the margin limit required by the broker.
Many brokers limit leverage in the strategy tester to a lower value than during normal operation.

For assistance

Information to provide with your report:

- Screenshot of the error
- Journal content (F2)
- MT5 version (Help → About)
- EA version
- Broker name and symbol
