

# Smart Grid EA Manual for MT4

## Description

Smart Grid EA is an advanced Expert Advisor (EA) designed for MT4, leveraging a unique "smart grid" system. This grid activates under specific market conditions and adjusts based on economic news and volatility indicators. It employs multiple technical indicators such as RSI, Momentum, Bollinger Bands, and an original Investing news filter, minimizing market entries near significant economic events.

## Key Features

- **Multi-currency capability:** Grid Girl Pro can trade multiple currency pairs simultaneously, including EURUSD, AUDCAD, GBPAUD, AUDNZD, and EURCHF.
- **Advanced news filter:** This filters entries during periods of high volatility due to economic news, ensuring trades are only executed in optimal conditions.
- **Flexible operation:** Can be updated or restarted even with open positions, offering more control and continuous operation.

## Usage

### Initial Setup

1. **Installation:** Attach the EA to the M30 chart of the supported currency pairs.
2. **Configuration:** Utilize the provided setfiles to configure the EA according to your trading preferences.
3. **News Site Allowance:** Ensure that your MT4 terminal allows HTTP requests to economic calendars. Go to Tools > Options > Expert Advisors and check "Allow WebRequests for listed URL:". Add the URL: <https://www.mql5.com>

### Operational Guidelines

- **VPS:** Use a Virtual Private Server (VPS) with low ping to ensure that the EA operates continuously without interruptions.
- **Capital and Leverage:** A minimum deposit of \$1000 is recommended, with a leverage of 1:300 or higher for optimal performance.
- **Account Type:** Preferably use a Raw/Zero spread account; if using a standard account, ensure the maximum spread is set no higher than 15 points.
- **Strategy Tester:** When backtesting, disable the news filter and adjust the "Max spread" parameter to be higher than the tester's spread.

## Settings

Here's a detailed breakdown of the settings based on the attached image:

### Main Settings

- **Minimum points distance from the last order:** Sets the minimum point distance between grid orders, e.g., 100.0 points.
- **Grid order multiplier:** Determines the multiplier for subsequent grid orders, e.g., 1.1.
- **Close orders if this Minimum Profit is reached (fiat):** Closes all orders if a specified profit threshold is met, e.g., \$5.0.

### RSI Indicators

- **RSiPeriod:** The period for the Relative Strength Index, e.g., 11.
- **RSI Applied price:** The price type applied to the RSI, e.g., High price.
- **RSiOverbought:** The overbought threshold for the RSI, e.g., 70.
- **RSiOversold:** The oversold threshold for the RSI, e.g., 30.

### Momentum Indicators

- **Max Momentum:** The maximum value to activate momentum-based trading, e.g., 100.1.
- **Min Momentum:** The minimum momentum required before considering a trade, e.g., 99.6.

### Bollinger Bands

- **BollingerPeriod:** The period for the Bollinger Bands, e.g., 50.
- **BollingerDeviation:** The deviation setting for the bands, e.g., 2.5.

### News Filter Options

- **ENABLE Newsfilter:** Toggle to enable high-impact news filtering, e.g., false.
- **Newsfilter's minutes duration:** The duration in minutes to pause trading before and after news, e.g. 30
- **Newsfilter extra Symbol:** The specific symbol that triggers the news filter, e.g., USD.

### Order Options

- **Chart timeframe:** The specific chart timeframe to check before placing orders, e.g., 30 Minutes.
- **MAX spread:** The maximum allowable spread for placing orders, e.g., 7 points.
- **MAX pairs traded simultaneously:** The maximum number of currency pairs the EA can trade at once, e.g., 2.
- **Maximum allowed amplitude in points of the previous candle:** Limits trading if the previous candle was too volatile, e.g., 300 points.
- **Lot size 1st order:** The lot size for the first order, e.g., 0.02.
- **Lot size 2nd order:** The lot size for the second order, e.g., 0.03.

GridGirl EA Pro\_market

Variable	Valore
<b>Testing</b>   <b>Valori di input</b>   <b>Ottimizzazione</b>	
<input type="checkbox"/> MAIN	MAIN SETTING
<input type="checkbox"/> Minimum points distance from the last order	100.0
<input checked="" type="checkbox"/> Grid order multiplier (It must be greater than 1)	1.1
<input checked="" type="checkbox"/> Close orders if this Minimum Profit is reached (fiat)	5.0
<input type="checkbox"/> RSI	RSI INDICATORS
<input type="checkbox"/> RsiPeriod	11
<input type="checkbox"/> RSI Applied price	High price
<input type="checkbox"/> RsiOverbought	70
<input type="checkbox"/> RsiOversold	30
<input checked="" type="checkbox"/> Max Momentum	100.1
<input checked="" type="checkbox"/> Min Momentum	99.6
<input type="checkbox"/> BOLLINGER	BOLLINGER BANDS
<input type="checkbox"/> BollingerPeriod	50
<input type="checkbox"/> BollingerDeviation	2.5
<input type="checkbox"/> NEWS FILTER OPTIONS	NEWSFILTER OPTIONS
<input type="checkbox"/> ENABLE Newsfilter (High impact events, very recommended)	false
<input type="checkbox"/> Also filters Moderate impact news (Recommended)	true
<input type="checkbox"/> Also filters Low impact news	false
<input type="checkbox"/> Newsfilter's minutes duration (before and after, no trades)	30
<input type="checkbox"/> Newsfilter extra Symbol	USD
<input type="checkbox"/> OPTIONS	ORDERS OPTIONS
<input type="checkbox"/> Chart timeframe (only for check)	30 Minutes
<input type="checkbox"/> MAX spread	7
<input type="checkbox"/> MAX pairs traded simultaneously	2
<input type="checkbox"/> Maximum allowed amplitude in points of the previous candle	300
<input type="checkbox"/> Lot size 1st order	0.02
<input type="checkbox"/> Lot size 2nd order	0.03