



COMPLETE MANUAL - MALANGE TRADING BOT

Definitive Guide for Beginners



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1. INTRODUCTION TO MALANGE ROBOT

What is the MALANGE Robot?

The **MALANGE Trading Bot** is an automated trading system for binary options that operates independently, analyzing the market and executing operations automatically. It was developed to simplify trading, allowing anyone to participate in the financial market without advanced technical knowledge.

Main Features

-  **Automatic Operation:** The robot analyzes the market and executes operations on its own
-  **46 Strategies:** Various tested and optimized strategies
-  **Multiple Brokers:** Support for 13 different brokers (Avalon, Atriun, Broker10, Bullex, CasaTrade, CapitalBear, DayProfit, Exnova, IQ Option, MangoTrade, Nyrion, OptgoBroker, Polarium)
-  **Multi-language:** Portuguese, English and Spanish
-  **Notifications:** Real-time alerts via Telegram
-  **Security:** Encrypted credentials and data protection
-  **Multi-platform:** Windows and Linux

How Does the Robot Work?

1. **Analysis:** The robot analyzes charts and technical indicators
2. **Decision:** Based on the chosen strategy, decides CALL or PUT
3. **Execution:** Opens the operation automatically on the broker
4. **Monitoring:** Tracks the result until closing
5. **Report:** Shows statistics and results

Important Risk Warning

ATTENTION: Trading involves significant financial risks. You can lose all invested money. This robot is an educational tool and should be used responsibly. Always test first on DEMO account before using real money.

2. DOWNLOAD AND INSTALLATION



Where to Download the Robot

The MALANGE robot can be downloaded for free from the official website:



<https://malange.com.br/>



What You Get

The download contains a ZIP file with:

- **Malange_Trading_Bot.exe** - Windows version
- **Malange_Linux** - Linux version
- **config.sample.txt** - Configuration examples
- **estrategias.txt** - List of available strategies



Windows Installation

1. **Download** the ZIP file from the website
2. **Extract** the file to a folder (e.g., Desktop)
3. **Run** the file `Malange_Trading_Bot.exe`
4. **Allow** antivirus access (if requested)



Linux Installation

1. **Download** the ZIP file from the website
2. **Extract** the file to a folder
3. **Give execution permission:** `chmod +x Malange_Linux`
4. **Run:** `./Malange_Linux`



Installation Verification

If everything is correct, you will see:

- Robot welcome screen
 - Language selection menu
 - Initial configuration option
-

3. FIRST USE - INTERACTIVE CONFIGURATION

Starting the Robot for the First Time

When you run the robot for the first time (without `config.txt` file), it will start an interactive configuration process that will guide you through all necessary configurations.

Configuration Step by Step

Step 1: Language Selection

 MALANGE TRADING BOT v2.02.112
 Select language / Select language / Selecciona idioma:

- [1] Português (Brasil)
- [2] English (United States)
- [3] Español

Enter your option (1-3):

 **Choice:** Type `2` for English

Step 2: Broker Configuration

 AVAILABLE BROKERS:

- [0] Avalon (Functional)
- [1] Atriun (Functional)
- [2] Broker10 (Functional)
- [3] Bullex (Functional)
- [4] CasaTrade (Functional)
- [5] CapitalBear (Functional)
- [6] DayProfit (Functional)
- [7] Exnova (Functional)
- [8] IQ Option (Functional)
- [9] MangoTrade (Functional)
- [10] Nyrion (Functional)
- [11] OptgoBroker (Functional)
- [12] Polarium (Functional)

Enter your option (0-12):

 **Choice:** Type the number of the desired broker (0-12)

 **IMPORTANT:** You need to have an account with the chosen broker to use the robot. If you don't have one yet, go to the broker's website and create your account first.

Step 3: Login Credentials

 Enter your broker email: your@email.com

 Enter your password: *****

 IMPORTANT:

- Use your **real** broker credentials (email and password)
- The robot needs this information to access your account and trade
- These credentials will be saved securely and encrypted, in a separate file for each broker
- **Never share** your credentials with other people

Step 4: Account Type

 ACCOUNT TYPE:

- [1] DEMO (Recommended for beginners)
- [2] REAL (Only for experienced users)
- [3] TOURNAMENT (Tournament account)

Enter your option (1-3):

 **Recommendation:** Always start with (DEMO)

Step 5: Basic Settings

 **Entry value per trade (\$):** 10

 **Profit target (\$):** 50

 **Loss limit (\$):** 100

 Tips:

- **Entry value:** Start with low values (\$5-20)
- **Profit target:** 2-5x the entry value
- **Loss limit:** 5-10x the entry value

Step 6: Strategy Selection

 RECOMMENDED STRATEGIES FOR BEGINNERS:

[25] MHI 3 Majority (Good for beginners)

[39] Winner Strategy (Most stable)

[33] Chinese (Simple and effective)

Enter strategy number (1-46):

 **Recommendation:** Type for Winner Strategy

Step 7: Telegram Configuration (Optional)

 Do you want to receive Telegram notifications? (Y/N): Y
 Enter your Telegram Chat ID: 1234567890

How to get Chat ID:

1. **IMPORTANT:** Send `/start` to `@Tropical_OB_bot` to authorize the bot
2. Send `/start` to `@BotFather` on Telegram
3. Copy the number that appears
4. Paste it in the requested field

Step 8: Finalization

 Configuration completed!
 config.txt file created successfully.
 Starting the robot...

Automatic vs Manual Mode

During configuration, you will be asked about the operation mode:

 OPERATION MODE:

[1] MANUAL (Recommended - Confirms each operation)
[2] AUTOMATIC (Careful - Executes automatically)

Enter your option (1-2):

 **Recommendation:** Always choose `1` (MANUAL) for beginners

4. COMPLETE CONFIGURATION FILE

Structure of config.txt File

The configuration file is divided into organized sections. Each section controls a specific part of the robot.

Section [LOGIN]

This section contains authentication information:

```
[LOGIN]
corretora = iqoption      # Broker to be used
email = "your@email.com"  # Your email
senha = "your_password"   # Your password
notificar_telegram = Y    # Telegram notifications (Y/N)
telegram_chat_id = 1234567890 # Telegram chat ID
```

Parameter Explanation:

- **corretora**: Broker name (avalon, atrium, broker10, bullex, casatrade, capitalbear, dayprofit, exnova, iqoption, mangotrade, nyrion, optgobroker, polarium)
- **email**: Your broker account email
- **senha**: Your broker account password
- **notificar_telegram**: "Y" to enable notifications, "N" to disable
- **telegram_chat_id**: Your Telegram chat number

Section [AJUSTES]

Contains the main robot configurations:

```
[AJUSTES]
idioma = en-US          # Robot language
auto = N                # Automatic mode (Y/N)
conta = 1               # 1=DEMO, 2=REAL, 3=TOURNAMENT
tipo = digital          # Asset type (digital/binary/all)
valor_entrada = 10      # Entry value per trade in $
stop_win = 50           # Profit target in $
stop_loss = 100         # Loss limit in $
estrategia = 39         # Strategy number (1-46)
recargar_config = Y     # Reload config automatically
pay_minimo = 70         # Minimum payout accepted (%)
filtrar_ttz = Green, Light Green, Blue # Allowed TTZ colors
interface = modern      # Interface type (modern/moderna/adaptive or
                        # basic/basica/classic/traditional)
detalhar_operacoes = Y  # Display detailed history in final report (Y/N)
```

Parameter Explanation:

- **idioma:** "pt-BR" (Portuguese), "en-US" (English), "es-ES" (Spanish)
- **auto:** "N" for manual mode (safer), "Y" for automatic
- **conta:** "1" for DEMO, "2" for real account, "3" for TOURNAMENT
- **tipo:** "digital" (recommended), "binary" or "all"
- **valor_entrada:** Value in dollars for each operation
- **stop_win:** Daily profit target
- **stop_loss:** Maximum loss limit
- **estrategia:** Strategy number (see complete list in chapter 5)
- **pay_minimo:** Minimum accepted payout (70-90% recommended)
- **filtrar_ttz:** TraderTimeZone colors to trade
- **interface:** "modern", "moderna" or "adaptive" (adaptive modern interface - DEFAULT), "basic", "basica", "classic" or "traditional" (traditional interface)
- **detalhar_operacoes:** "Y" to display detailed history of all operations in final report, "N" to hide (useful for cleaner reports)

Section [ESTRATEGIA]

Strategy-specific configurations:

```
[ESTRATEGIA]
estrategia = 39          # Strategy number
tipo = digital           # Asset type
confluencias = "EMA","RSI","ADX" # Active confluences
timeframe = 60           # Timeframe in seconds (60=M1)
qnt_velas = 100          # Number of candles for analysis
```



Parameter Explanation:

- **estrategia**: Strategy number (1-46)
- **tipo**: Asset type to trade
- **confluencias**: Comma-separated confluence list
- **timeframe**: 60=M1, 300=M5, 900=M15, 1800=M30, 3600=H1
- **qnt_velas**: Number of candles for analysis (50-200)



Section [MARTINGALE]

Martingale risk management system:

```
[MARTINGALE]
usar_martingale = N      # Activate Martingale (Y/N)
niveis_martingale = 2    # Maximum number of levels
fator_martingale = 2.0   # Multiplication factor
inverter_gale = N        # Invert direction on gale (Y/N)
```



CAUTION: Martingale is risky! Use only with low values and on DEMO first.



Parameter Explanation:

- **usar_martingale**: "Y" to activate, "N" to deactivate
- **niveis_martingale**: Maximum 2-3 levels (no more!)
- **fator_martingale**: 2.0 is more conservative, 2.1 more aggressive
- **inverter_gale**: "Y" to invert direction after each loss



For complete details on Martingale operation, see Chapter 6 - Risk Management.



Section [SOROS]

SOROS risk management system:

```
[SOROS]
usar_soros = N          # Activate SOROS (Y/N)
niveis_soros = 1        # Number of SOROS levels
usar_protecao = N       # Activate Martingale protection (Y/N)
niveis_protecao = 2     # Martingale protection levels
fator_protecao = 2.3    # Protection multiplication factor
```

Parameter Explanation:

- **usar_soros**: "Y" to activate, "N" to deactivate
- **niveis_soros**: 1-2 levels recommended
- **usar_protecao**: "Y" to activate Martingale protection after LOSS
- **niveis_protecao**: Number of recovery levels (0-3 recommended)
- **fator_protecao**: Multiplier for each level (2.3 is default)

 **For complete details on SOROS and SOROS with Protection operation, see Chapter 6 - Risk Management.**

Section [MASANIELLO]

Masaniello risk management system:

```
[MASANIELLO]
usar_masaniello = N     # Activate Masaniello (Y/N)
num_eventos = 10        # Number of events
vitorias_esperadas = 6  # Expected wins
```

Parameter Explanation:

- **usar_masaniello**: "Y" to activate, "N" to deactivate
- **num_eventos**: Total number of planned operations
- **vitorias_esperadas**: How many wins are needed for profit

 **For complete details on Masaniello operation, see Chapter 6 - Risk Management.**

5. STRATEGY SYSTEM



Complete Strategy List

The MALANGE robot has **46 different strategies**, each with specific characteristics suitable for different market types and trader profiles.



Strategies Recommended for Beginners

NUMBER	NAME	DESCRIPTION	DIFFICULTY
39	Winner Strategy	Most stable and reliable strategy	★
33	Chinese	Good for M1 timeframes, simple	★
25	MHI 3 Majority	Based on trend analysis	★★
17	Pattern D21	Classic and tested strategy	★★



Technical Analysis Strategies

NUMBER	NAME	DESCRIPTION	DIFFICULTY
6	EMA Cross	Exponential moving average crossover	★★★★
7	EMA + RSI	EMA combined with RSI	★★★★
10	MACD + ADX	Momentum and trend analysis	★★★★★
11	KELTNER + RSI	Keltner channels with RSI	★★★★



Pattern Strategies

NUMBER	NAME	DESCRIPTION	DIFFICULTY
15	CLAW Pattern (M1)	Pattern analysis in M1	★★
16	Hx5 Pattern	Specific Hx5 pattern	★★
26	Pattern 23 (M1)	Pattern 23 in M1 timeframe	★★
30	1x3 Pattern	1x3 reversal pattern	★★★

Indicator Strategies

NUMBER	NAME	DESCRIPTION	DIFFICULTY
2	RSI	Relative strength index	★★
9	ADX + PSAR	Trend and momentum analysis	★★★★
14	WILLIAMS FRACTALS	Williams fractals analysis	★★★★
31	Donchian	Donchian channels	★★★★

Reversal Strategies

NUMBER	NAME	DESCRIPTION	DIFFICULTY
3	Reversal	Simple reversal strategy	★★
5	RSI + Reversal	RSI combined with reversal	★★★★
32	R7	Advanced reversal strategy	★★★★★

Trend Strategies

NUMBER	NAME	DESCRIPTION	DIFFICULTY
1	Trend	Basic trend analysis	★★
4	RSI + Trend	RSI combined with trend	★★★
8	EMA Signal	Signals based on EMA	★★

MHI Strategies (Hyperbolic Martingale)

NUMBER	NAME	DESCRIPTION	DIFFICULTY
20	MHI Minority	MHI for minority	★★★★★
21	MHI 2 Minority	MHI 2 for minority	★★★★★
22	MHI 3 Minority	MHI 3 for minority	★★★★★
23	MHI Majority	MHI for majority	★★★★
24	MHI 2 Majority	MHI 2 for majority	★★★★

Probability Strategies

NUMBER	NAME	DESCRIPTION	DIFFICULTY
18	Million Majority	Majority strategy	★★
19	Million Minority	Minority strategy	★★★★
27	Best of 4	Analysis of 4 options	★★★★
29	Sixth Candle	Sixth candle analysis	★★

External Signal Strategies

NUMBER	NAME	DESCRIPTION	DIFFICULTY
28	TXT Signals	Reads signals from text file	★★
37	Orion Signal	External Orion signals	★★
38	General Signal	General external signals	★★

Special Strategies

NUMBER	NAME	DESCRIPTION	DIFFICULTY
34	Seven Flip	Inversion strategy	★★★★
35	3 Musketeers	Three-element strategy	★★★★
36	Twin Towers	Twin towers pattern	★★★★
40	Third Candle (M5)	Third candle analysis in M5	★★
41	Stochastic + SMA 50	Stochastic with 50-period moving average	★★★★
42	Multi-Indicator	Combination of 4 indicators	★★★★★
43	Support & Resistance	Support/Resistance with gap detection	★★★★
44	Trend Indicator	Candle sequence patterns for next candle	★★★★
45	Dayshin	Moving averages with signal line and S&R	★★★★★
46	Price Logic	Support/Resistance with OHLC only, level rejection and breakout	★★★★

How to Choose the Ideal Strategy

For Beginners:

- **Winner Strategy (39):** Most stable and reliable
- **Chinese (33):** Good for M1, easy to understand
- **Pattern D21 (17):** Classic and tested

For Intermediates:

- **EMA Cross (6):** Solid technical analysis
- **RSI + Trend (4):** Effective combination
- **MHI Majority (23):** Good for trends

For Advanced:

- **MACD + ADX (10):** Complex technical analysis
- **R7 (32):** Advanced reversal strategy
- **Multi-Indicator (42):** Combination of 4 indicators
- **Support & Resistance (43):** S&R analysis with gaps
- **Trend Indicator (44):** Candle sequence patterns
- **Dayshin (45):** Moving averages with signal line and S&R
- **Price Logic (46):** Support/Resistance with price (OHLC) only, level rejection and breakout

Strategy 46: Price Logic

The **Price Logic** strategy uses only price (OHLC) to generate signals, without indicators. It calculates support and resistance from price history and generates **CALL** on rejection at support (bullish candle) and **PUT** on rejection at resistance (bearish candle). Optionally considers breakouts. Parameters (lookback, proximity, min channel, single command, marubozu, split rate) can be adjusted in the AJUSTES section of config.txt. For full documentation see [ESTRATEGIA LOGICA PRECO.md](#).

Strategy 43: Support & Resistance

The **Support & Resistance** strategy is based on the QuadcodeScript indicator that combines trend analysis, price gap detection, and support/resistance level identification.

How It Works:

1. Trend Analysis:

- Calculates two exponential moving averages (EMA): fast (default: 9 periods) and slow (default: 21 periods)
- Checks if both are in uptrend or downtrend by analyzing 4 consecutive periods
- Combines trends to determine overall market trend

2. Gap Detection:

- Identifies gaps (spaces) between previous candle's close and current candle's open
- Calculates gap strength as percentage (in thousandths)
- Classifies gaps as:
 - **GAPF (Gap Forward)**: Gap that continues previous candle's direction
 - **GAPD (Gap Downward)**: Gap that reverses previous candle's direction

3. Support and Resistance Levels:

- Calculates support (low) and resistance (high) levels based on a lookback period (default: 20 candles)
- Optionally checks if price is near these levels

Signal Logic:

CALL Signal (Buy):

- Overall trend = **Up**
- Strong gap detected (above minimum percentage)
- Gap conditions:
 - (Green candle + forward gap) OR
 - (Red candle + forward gap) OR
 - (Green candle + downward gap)

PUT Signal (Sell):

- Overall trend = **Down**
- Strong gap detected (above minimum percentage)
- Gap conditions:
 - (Red candle + forward gap) OR
 - (Green candle + forward gap) OR
 - (Red candle + downward gap)

No Signal:

- Lateral trend
- Weak gap (below minimum percentage)
- Price not near support/resistance (if filter enabled)

Configurable Parameters:

```
[AJUSTES]
sr_ma_rapida = 9      # Fast MA period (default: 9)
sr_ma_lenta = 21     # Slow MA period (default: 21)
sr_gap_percentage = 0.1 # Minimum gap percentage in thousandths (default: 0.1 = 0.1%)
sr_lookback = 20      # Period to calculate S&R (default: 20)
sr_proximity = 0.2    # Proximity to S&R level in percentage (default: 0.2%)
sr_use_proximity = S  # Use proximity as filter (Y/N, default: S)
```

Parameter Explanation:

- **sr_ma_rapida**: Fast EMA period (common values: 5-15)
- **sr_ma_lenta**: Slow EMA period (common values: 20-30)
- **sr_gap_percentage**: Minimum gap percentage to consider valid (0.1 = 0.1%, common values: 0.05-0.5)
- **sr_lookback**: How many candles to use for S&R calculation (common values: 15-30)
- **sr_proximity**: Maximum distance to S&R level in % (common values: 0.1-0.5)
- **sr_use_proximity**: If "S", only generates signal when near S&R; if "N", ignores proximity

Usage Tips:

- **Recommended timeframes**: M1, M5 (works better on smaller timeframes)
- **Markets**: Works well in markets with moderate volatility
- **Combination**: Use with other confluences for greater precision
- **Fine-tuning**: Reduce `sr_gap_percentage` for more signals or increase for fewer but more reliable signals

Strategy 44: Trend Indicator

The **Trend Indicator** strategy is based on candle sequence patterns that generate signals to enter the **NEXT candle** (not the current candle). This strategy was implemented based on the QuadcodeScript "Indicador de tendencia Exnova 2025".

How It Works:

1. Sequence Pattern Analysis:

- Analyzes the last 5 closed candles
- Identifies specific patterns of green and red candle sequences
- Generates signal to enter the next candle when pattern is confirmed

2. Pattern for BUY (CALL):

- **3 consecutive red candles** (close < open)
- Followed by **1 green candle** (close > open)
- Followed by **1 red candle** (close < open)
- When this pattern is detected, generates "**PROX COMPRA!**" signal to enter the next candle

3. Pattern for SELL (PUT):

- **3 consecutive green candles** (close > open)
- Followed by **1 red candle** (close < open)
- Followed by **1 green candle** (close > open)
- When this pattern is detected, generates "**PROX VENDA!**" signal to enter the next candle

Signal Logic:

CALL Signal (Buy):

- Pattern detected: 3 red + 1 green + 1 red (in last 5 closed candles)
- Signal is generated when the last closed candle confirms the pattern
- Entry should be made in the **next candle** (which is still forming)

PUT Signal (Sell):

- Pattern detected: 3 green + 1 red + 1 green (in last 5 closed candles)
- Signal is generated when the last closed candle confirms the pattern
- Entry should be made in the **next candle** (which is still forming)

No Signal:

- Pattern not detected in last 5 candles
- Late entry (more than 5 seconds after last candle close)
- Less than 5 candles available for analysis

Technical Characteristics:

- **Only closed candles analysis:** Strategy discards candles still forming to avoid premature signals
- **Late entry protection:** If more than 5 seconds have passed since last candle close, signal is ignored
- **Projective signal:** Signal is generated when pattern is confirmed, indicating entry in next candle

Usage Tips:

- **Recommended timeframes:** M1, M5 (works better on smaller timeframes)
- **Markets:** Works well in markets with clear movements and defined candle sequences
- **Combination:** Use with other confluences for greater precision
- **Timing:** Strategy is projective - signal indicates entry in next candle, not current
- **Patience:** Wait for complete pattern confirmation before entering

Strategy 45: Dayshin

The **Dayshin** strategy is based on Quadcode Script (QSC) and implements advanced technical analysis using moving averages, signal line, and support/resistance levels.

How It Works:

1. Moving Average Calculation:

- Calculates two simple moving averages (SMA): fast (default: 1 period) and slow (default: 34 periods)
- Uses candle close value (configurable: close, open, high, low)
- The difference between averages is calculated (buffer1)

2. Signal Line:

- Applies a weighted moving average (WMA) to the difference of averages
- WMA period default: 5 periods
- This signal line (buffer2) is used to generate entry signals

3. Support and Resistance Levels:

- Fetches candles from a higher timeframe (default: M15) to calculate S&R
- Calculates support (low) and resistance (high) levels
- Uses configurable number of candles (default: 1 candle) to calculate levels

4. Signal Generation:

- **CALL (Buy):** When difference (buffer1) crosses above signal line (buffer2)
- **PUT (Sell):** When difference (buffer1) crosses below signal line (buffer2)
- Signals are generated only on last closed candle (not on forming candle)



Signal Logic:

CALL Signal (Buy):

- buffer1 (difference of averages) crosses above buffer2 (signal line)
- Signal is generated on last closed candle
- Considers support/resistance levels from higher timeframe

PUT Signal (Sell):

- buffer1 (difference of averages) crosses below buffer2 (signal line)
- Signal is generated on last closed candle
- Considers support/resistance levels from higher timeframe

No Signal:

- No crossover between buffer1 and buffer2
- Insufficient candles to calculate averages
- Error fetching S&R candles from higher timeframe



Configurable Parameters:

```
[DAYSHIN]
ma_fast_period = 1      # Fast MA period (default: 1)
ma_slow_period = 34     # Slow MA period (default: 34)
signal_period = 5       # Signal line WMA period (default: 5)
ma_value = close        # Value for MAs: close, open, high, low (default: close)
sr_timeframe = 15       # Timeframe for S&R in minutes (default: 15 = M15)
sr_candles_count = 1    # Number of candles to calculate S&R (default: 1)
```



Parameter Explanation:

- **ma_fast_period:** Fast SMA period (common values: 1-5)
- **ma_slow_period:** Slow SMA period (common values: 20-50)

- **signal_period**: WMA period for signal line (common values: 3-10)
- **ma_value**: Type of value to calculate MAs - "close" (recommended), "open", "high", "low"
- **sr_timeframe**: Timeframe in minutes to fetch S&R candles (common values: 5, 15, 30, 60)
- **sr_candles_count**: How many candles to use for S&R calculation (common values: 1-5)

Usage Tips:

- **Recommended timeframes**: M1, M5 (works well on smaller timeframes)
- **Markets**: Works well in markets with clear trends
- **Combination**: Use with other confluences for greater precision
- **Fine-tuning**: Adjust `ma_slow_period` and `signal_period` according to market
- **S&R**: Configure `sr_timeframe` to a higher timeframe than main (e.g., M15 if trading M1)
- **Cache**: Strategy uses cache to optimize S&R candle fetches

Confluence System

Confluences are additional conditions that must be met beyond the main strategy:

Available Confluences:

Position-Based (Averages vs Price):

- **EMA**: Checks if EMA_LENTA is below (CALL) or above (PUT) the price
- **EMA2**: Checks if BOTH (EMA_LENTA + EMA_RAPIDA) are on the same side of price
- **EMA3**: Checks if ALL (EMA_LENTA + EMA_RAPIDA + EMA_SINAL) are on the same side of price
- **SMA**: Checks if SMA_LENTA is below (CALL) or above (PUT) the price
- **SMA2**: Checks if BOTH (SMA_LENTA + SMA_RAPIDA) are on the same side of price
- **SMA3**: Checks if ALL (SMA_LENTA + SMA_RAPIDA + SMA_SINAL) are on the same side of price

Crossover-Based:

- **EMA_CROSS**: Signal when EMA_SINAL crosses EMA_LENTA (above=CALL, below=PUT)

- **SMA_CROSS**: Signal when SMA_SINAL crosses SMA_LENTA (above=CALL, below=PUT)

Other Indicators:

- **TREND**: General market trend analysis
- **PSAR**: Parabolic Stop and Reverse
- **MACD**: Moving average convergence divergence
- **ADX**: Average directional index (trend strength)
- **KELTNER**: Keltner channels
- **SAFE_KELTNER**: Safe Keltner channels
- **FRACTAIS/FRACTALS**: Williams fractals analysis
- **RSI**: Relative strength index
- **DONCHIAN**: Donchian channels
- **SUPPORT_RESISTANCE**: Support/Resistance with gap detection
- **CHOP**: Choppiness Index (trend vs choppy market filter)
- **PEARSON**: Pearson correlation between price series
- **STOCHASTIC**: Stochastic Oscillator (overbought/oversold)

How It Works:

1. **Strategy** suggests CALL or PUT
2. **Confluences** confirm if the entry is good
3. **Result**: Higher precision, fewer operations, more profit

Recommended Configuration:

```
# Basic configuration (2-3 confluences)
confluencias = "EMA","RSI","ADX"

# Advanced configuration (multiple confluences)
confluencias = "TREND","EMA2","RSI","MACD","ADX"

# Configuration for crossovers
confluencias = "EMA_CROSS","SMA_CROSS","RSI"

# Configuration with Support & Resistance
confluencias = "SUPPORT_RESISTANCE","EMA3","ADX"
```

SUPPORT_RESISTANCE Confluence:

The **SUPPORT_RESISTANCE** confluence uses the same logic as strategy 43, but works as an additional filter to confirm signals from other strategies.

How to use as confluence:

```
[ESTRATEGIA]
estrategia = 39          # Winner Strategy
confluencias = "SUPPORT_RESISTANCE","EMA3"
```

Advantages:

- Confirms signals only when there are significant gaps
- Validates trend using moving averages
- Considers support and resistance levels
- Reduces false signals in lateral markets

Parameters (same as strategy):

```
[AJUSTES]
sr_ma_rapida = 9
sr_ma_lenta = 21
sr_gap_percentage = 0.1
sr_lookback = 20
sr_proximity = 0.2
sr_use_proximity = S
```

CHOP Confluence (Choppiness Index):

The **CHOP** confluence measures whether the market is in **trend** or **choppy** (lateral). It works as a filter to avoid trend trades in lateral markets.

How it works:

- **CHOP < chop_minimo (38.2)**: Market in trend → **Confirms** the signal
- **CHOP > chop_maximo (61.8)**: Choppy market → **Rejects** the signal
- **Intermediate zone**: Considers neutral and confirms the signal

How to use as confluence:

```
[ESTRATEGIA]
confluencias = "CHOP","EMA3","ADX"
```

Parameters:

```
[AJUSTES]
chop_periodo = 14      # Period for calculation (default: 14)
chop_atr_periodo = 1   # ATR period (default: 1)
chop_minimo = 38.2     # Value below = trend (default: 38.2)
chop_maximo = 61.8     # Value above = choppy (default: 61.8)
```

 **Tip:** Use CHOP with trend strategies (EMA Cross, ADX) to filter choppy markets where these indicators generate false signals.

PEARSON Confluence (Pearson Correlation):

The **PEARSON** confluence measures **linear correlation** between two price series. It indicates direction (CALL or PUT) based on correlation strength.

How it works:

- **Correlation $\geq$ pearson_minimo (0.5):** Strong positive correlation → **CALL**
- **Correlation $\leq$ -pearson_minimo (-0.5):** Strong negative correlation → **PUT**
- **Correlation between -0.5 and +0.5:** No significant correlation → **Rejects** the signal

How to use as confluence:

```
[ESTRATEGIA]
confluencias = "PEARSON","EMA","RSI"
```

Parameters:

[AJUSTES]

```

pearson_perodo = 30      # Period for calculation (default: 30)
pearson_minimo = 0.5    # Minimum absolute value for significant correlation (default: 0.5)
pearson_source1 = close  # Source 1: close, open, high, low, max, min
pearson_source2 = close  # Source 2: close, open, high, low, max, min
pearson_shift = 0       # Shift for source2 (default: 0)

```

 **Tip:** With `source1=close` and `source2=close` and `shift=1`, you can measure price autocorrelation. For different series comparison, use `max` / `min` or `high` / `low` with shift.

 STOCHASTIC Confluence (Stochastic Oscillator):

The **STOCHASTIC** confluence identifies **overbought** and **oversold** conditions, indicating possible reversals.

How it works:

- **Stochastic $\geq$ stoch_sobrecompra (80):** Overbought → **PUT** (expectation of reversal downward)
- **Stochastic $\leq$ stoch_sobrevenda (20):** Oversold → **CALL** (expectation of reversal upward)
- **Intermediate zone:** No directional signal → **Rejects** the signal

How to use as confluence:**[ESTRATEGIA]**

```

confluencias = "STOCHASTIC","RSI","EMA"

```

Parameters:**[AJUSTES]**

```

stoch_k_perodo = 14      # %K period (default: 14)
stoch_d_perodo = 3       # %D period (default: 3)
stoch_smooth_k = 1      # %K smoothing (default: 1)
stoch_smooth_d = 3      # %D smoothing (default: 3)
stoch_sobrecompra = 80   # Overbought limit (default: 80)
stoch_sobrevenda = 20    # Oversold limit (default: 20)

```

 **Tip:** Stochastic is ideal for reversal strategies. Combine with RSI for confirmation in extreme zones.

Configuration Examples with New Confluences:

```
# Trend filter (CHOP) + direction (EMA) + strength (ADX)
confluencias = "CHOP","EMA3","ADX"
```

```
# Price correlation (PEARSON) + trend (EMA)
confluencias = "PEARSON","EMA2","RSI"
```

```
# Reversal (STOCHASTIC + RSI) + confirmation (EMA)
confluencias = "STOCHASTIC","RSI","EMA_CROSS"
```

6. RISK MANAGEMENT

Available Risk Management Systems

The MALANGE robot offers three risk management systems:

1. MARTINGALE HIGH RISK

Fundamental Concept:

Martingale is a loss recovery system based on the theory that, statistically, a sequence of losses will eventually be followed by a win. When this happens, all previous losses are recovered with profit.

How It Works in Detail:

1. **Base Value:** Defines the initial operation value
2. **After Loss:** Multiplies the value by the configured factor
3. **After Win:** Returns to original base value
4. **Level Limit:** Prevents excessive losses

Detailed Practical Example:

Scenario: Base value \$10, Factor 2.0, Maximum 3 levels

OPERATION	VALUE	DIRECTION	RESULT	ACCUMULATED BALANCE	NEXT VALUE
1st Entry	\$10	CALL	 LOSS	-\$10	\$20
2nd Entry	\$20	PUT	 LOSS	-\$30	\$40
3rd Entry	\$40	CALL	 WIN	+\$10	\$10

Profit Calculation:

- Total investment: \$70 (10+20+40)
- Win return: \$80 (40 × 2.0)
- **Net profit: \$10**

Inversion Strategy (inverter_gale = N):

When activated, the `inverter_gale` option makes:

- **1st entry:** Original strategy direction
- **Gale 1: Opposite** direction to previous
- **Gale 2: Opposite** direction to previous
- And so on...

Recommended Configuration:

```
[MARTINGALE]
usar_martingale = Y      # Activate Martingale system
niveis_martingale = 2    # MAXIMUM 2-3 LEVELS (never more!)
fator_martingale = 2.0    # Factor 2.0 (more conservative)
inverter_gale = N        # Invert direction on gale (default)
```

Martingale Advantages:

-  **Guaranteed recovery:** One win recovers all losses
-  **Simplicity:** Easy to understand and configure
-  **Effectiveness:** Works well in volatile markets
-  **Control:** Level limit prevents excessive losses

Risks and Disadvantages:

-  **High Risk:** Can cause large losses quickly
-  **Long sequences:** Markets can have many consecutive losses
-  **Capital:** Requires significant capital to support losses
-  **Psychological:** Can cause stress due to increasing values

MANDATORY Safety Rules:

1. **ALWAYS test on DEMO account first**
2. **Use maximum 2-3 levels** (never more than that)
3. **Have sufficient capital** to support 3-4 consecutive losses
4. **Monitor constantly** the performance
5. **Stop immediately** if loss limit is reached
6. **Never use more than 20%** of your total capital

Tips for Beginners:

- Start with **factor 2.0** (more conservative)

- Use **only 2 levels** initially
- Test with **low values** first (\$5-10)
- **Never** use Martingale with more than 50% of your capital
- Consider using **stop loss** to limit total losses

2. SOROS 💰 LOW RISK

🎯 Fundamental Concept:

SOROS is a more conservative risk management system than Martingale. It was inspired by the strategies of the famous investor George Soros and focuses on **capital protection** and **gradual growth**.

📊 How It Works in Detail:

1. **After Win:** Increases the value of the next entry (progresses)
2. **After Loss:** Returns to base value (protects capital)
3. **After Draw:** Maintains current value (stability)
4. **Focus:** Capital protection above all

📋 Detailed Practical Example:

Scenario: Base value \$10, 2 SOROS levels

OPERATION	VALUE	RESULT	ACTION	NEXT VALUE	ACCUMULATED BALANCE
1st Entry	\$10	✅ WIN	Progress	\$15	+\$7.50
2nd Entry	\$15	✅ WIN	Progress	\$20	+\$22.50
3rd Entry	\$20	❌ LOSS	Restart	\$10	+\$2.50
4th Entry	\$10	✅ WIN	Progress	\$15	+\$10.00

📈 Progression Strategy:

SOROS uses a **smoother** progression than Martingale:

- **Level 1:** Base value (e.g., \$10)
- **Level 2:** Base value × 1.5 (e.g., \$15)

- **Level 3:** Base value $\times$ 2.0 (e.g., \$20)
- **Level 4:** Base value $\times$ 2.5 (e.g., \$25)

Recommended Configuration:

```
[SOROS]
usar_soros = Y      # Activate SOROS system
niveis_soros = 2    # 2 levels (RECOMMENDED for beginners)
```

Advanced Configuration:

```
[SOROS]
usar_soros = Y      # Activate SOROS system
niveis_soros = 3    # 3 levels (for experienced users)
```



SOROS Advantages:

- **Capital protection:** Losses don't accumulate
- **Gradual growth:** Increases profits progressively
- **Lower risk:** Much more conservative than Martingale
- **Psychological:** Less stress than aggressive systems
- **Stability:** Less volatility in results
- **Simplicity:** Easy to understand and configure



Risks and Disadvantages:

- **Slow growth:** Profits may be smaller
- **Sequence dependency:** Needs consecutive wins
- **Constant restart:** Losses make return to start
- **Less aggressive:** May not take advantage of opportunities



Safety Rules:

1. **Use 1-2 levels** for beginners
2. **Monitor performance** regularly
3. **Adjust levels** according to your risk tolerance
4. **Combine with stop loss** for additional protection
5. **Test different configurations** on DEMO

Tips for Beginners:

- Start with **1 level** only
- Use **low values** for testing
- **Combine with Martingale** for hybrid strategies
- **Monitor** win/loss frequency
- **Adjust** according to strategy performance

2.1. SOROS WITH PROTECTION **MODERATE RISK**

Fundamental Concept:

SOROS with Protection combines the **best of both worlds**: the **safety of SOROS** with the **recovery capacity of Martingale**. When there's a loss in SOROS, instead of returning to base value immediately, the system activates a **Martingale-type protection** to try to recover capital before restarting.

How It Works in Detail:

1. **After SOROS Win**: Increases next entry value (progresses normally)
2. **After SOROS Loss**: Activates Martingale protection to recover
3. **Protection Success**: Returns to base value without accumulated loss
4. **Protection Failed**: Accepts the loss and returns to base value
5. **Focus**: Maximum capital protection with recovery chance

Detailed Practical Example:

Scenario: Base value \$10, 1 SOROS level, 2 protection levels, factor 2.3

OPERATION	TYPE	VALUE	RESULT	ACTION	ACCUMULATED BALANCE
1st Entry	SOROS	\$10	✓ WIN	Progress SOROS	+\$8.70
2nd Entry	SOROS Level 1	\$18.70	✗ LOSS	Activate Protection	-\$10.00
3rd Entry	Protection G1	\$23.00	✗ LOSS	Continue Protection	-\$33.00
4th Entry	Protection G2	\$52.90	✓ WIN	Recovered!	+\$6.03
5th Entry	SOROS Restarted	\$10	✓ WIN	Progress SOROS	+\$14.73

Progression Strategy with Protection:

SOROS Phase (growth):

- **Base Level:** Entry value (e.g., \$10)
- **Level 1:** Base value + previous profit (e.g., \$18.70)
- **Level 2:** Base value + accumulated profits (e.g., \$27.40)

Protection Phase (after SOROS Loss):

- **Protection G1:** Base value × protection_factor (e.g., $10 \times 2.3 = \$23$)
- **Protection G2:** G1 value × protection_factor (e.g., $23 \times 2.3 = \$52.90$)
- **Protection G3:** G2 value × protection_factor (e.g., $52.90 \times 2.3 = \$121.67$)

Recommended Configuration (Conservative):

```
[SOROS]
usar_soros = Y           # Activate SOROS
niveis_soros = 1         # 1 SOROS level (conservative)
usar_protecao = Y        # Activate protection
niveis_protecao = 2      # 2 recovery levels
fator_protecao = 2.3     # Default factor
```

Balanced Configuration:

```
[SOROS]
usar_soros = Y          # Activate SOROS
niveis_soros = 2        # 2 SOROS levels (balanced)
usar_protecao = Y       # Activate protection
niveis_protecao = 2     # 2 recovery levels
fator_protecao = 2.3    # Default factor
```

Aggressive Configuration (Advanced):

```
[SOROS]
usar_soros = Y          # Activate SOROS
niveis_soros = 2        # 2 SOROS levels
usar_protecao = Y       # Activate protection
niveis_protecao = 3     # 3 recovery levels (more risky)
fator_protecao = 2.3    # Default factor
```



SOROS with Protection Advantages:

-  **Double protection:** SOROS + Martingale combined
-  **High recovery rate:** Many losses are recovered
-  **Gradual growth:** Maintains SOROS progression
-  **Flexibility:** Configurable according to risk profile
-  **Better than pure Martingale:** Doesn't expose as much capital
-  **Better than pure SOROS:** Recovers losses instead of accepting



Risks and Disadvantages:

-  **Moderate risk:** Riskier than pure SOROS
-  **Capital exposure:** Protection may require high values
-  **Bad sequences:** Multiple consecutive losses are dangerous
-  **Complexity:** Requires understanding of both systems
-  **May mask problems:** Bad strategy hidden by recovery



Safety Rules:

1. **Start with 1-2 protection levels** only
2. **Monitor frequency** of protection activation
3. **If protection activates often:** Your strategy needs adjustment
4. **Configure stop loss:** Protection does NOT eliminate need for limit

5. **Test extensively on DEMO:** Understand risks before
6. **Don't use protection > 3 levels:** Risk of severe drawdown



Advanced Tips:

- **Frequent protection?** Your strategy or confluences need adjustment
- **Use factor 2.3-2.5:** Balances recovery and exposure
- **Combine with stop loss:** Protection is last line of defense
- **Monitor maximum drawdown:** Should not exceed 20% of capital
- **Performance analysis:** Compare with and without protection



When to Use SOROS with Protection:

-  **Strategy with 55-65% accuracy:** Protection compensates occasional losses
-  **Volatile markets:** Protection offers second chance
-  **Intermediate trader:** Understands risks of both systems
-  **Adequate capital:** Can support protection levels
-  **Strategy < 50% accuracy:** Protection only delays inevitable
-  **Limited capital:** Protection may deplete quickly
-  **Beginner:** Start with pure SOROS or Fixed Hand

3. MASANIELLO VERY HIGH RISK



Fundamental Concept:

Masaniello is a risk management system based on **complex mathematical algorithms** that calculate dynamic entry values using a **probability matrix**. It's an advanced system that adjusts entry values according to operation progress.



How It Works in Detail:

1. **Probability Matrix:** Uses complex mathematical algorithms to calculate values
2. **Dynamic Values:** Each entry has a different value based on progress
3. **Average Payout:** Considers broker's average payout in calculations
4. **Stop Loss:** Uses loss limit as base for calculations
5. **Limited Events:** Operates with configured fixed number of events



Masaniello Algorithm:

The system uses a complex bidimensional matrix that considers:

- **Remaining number of events**
- **Current wins vs expected wins**
- **Broker's average payout**
- **Configured stop loss**

- **Current operation progress**

How It Works in Practice:

The MASANIELLO system automatically calculates entry values based on:

- **Configured Stop Loss** in config.txt file
- **Broker's average payout**
- **Remaining number of events**
- **Current progress** (wins/losses)

IMPORTANT:

- Values are **automatically calculated** by the algorithm
- **Not fixed values** - change with each operation
- **Can increase significantly** as losses accumulate
- **Always monitor** values calculated by the robot

Recommended Configuration for Beginners:

```
[MASANIELLO]
usar_masaniello = Y    # Activate Masaniello system
num_eventos = 5        # 5 events (RECOMMENDED for beginners)
vitorias_esperadas = 1 # 1 expected win
```

Intermediate Configuration:

```
[MASANIELLO]
usar_masaniello = Y    # Activate Masaniello system
num_eventos = 8        # 8 events
vitorias_esperadas = 1 # 1 expected win
```

Advanced Configuration:

```
[MASANIELLO]
usar_masaniello = Y    # Activate Masaniello system
num_eventos = 10       # 10 events
vitorias_esperadas = 1 # 1 expected win
```

**Configurations by Experience Level:**

LEVEL	EVENTS	EXPECTED WINS	RISK	RECOMMENDATION
Beginner	5	1	Very High	Use only on DEMO
Intermediate	8	1	Extreme	Use with extreme caution
Advanced	10	1	Extreme	For experienced users

**Masaniello Advantages:**

- **Mathematical:** Based on advanced algorithms
- **Adaptive:** Adjusts values according to progress
- **Precise:** Considers real average payout
- **Controlled:** Limited number of events

**Risks and Disadvantages:**

- **High Risk:** Can cause large losses quickly
- **Complexity:** Difficult to understand and predict
- **Increasing Values:** Values increase with losses
- **Payout Dependency:** Sensitive to payout changes
- **Stop Loss:** Can reach limit quickly

**MANDATORY Safety Rules:**

1. **ALWAYS test on DEMO first**
2. **Use few events** (5-8 maximum)
3. **Configure low stop loss** to limit losses
4. **Monitor constantly** calculated values
5. **Stop immediately** if values get too high
6. **Never use more than 10%** of your capital

**Tips for Beginners:**

- **DO NOT use on real account** until very experienced
- Start with **5 events and 1 win** only
- **Test extensively** on DEMO
- **Monitor** values calculated by robot in each operation

- **Stop immediately** if values get too high
 - **Configure low stop loss** to limit losses
-



System Comparison

SYSTEM	RISK	COMPLEXITY	RECOMMENDED FOR
SOROS	Low	Simple	Beginners
SOROS + PROTECTION	Moderate	Moderate	Intermediate
MARTINGALE	High	Simple	Experienced
MASANIELLO	Very High	Complex	Experts Only



Recommendations by Level

For Beginners:

- **Use only SOROS** with 1-2 levels
- **Never use Martingale or Masaniello** until experienced
- **Always test on DEMO** first

For Intermediates:

- **Use SOROS** as main system
- **SOROS with Protection** for better recovery
- **Martingale only** with very low values and on DEMO
- **DO NOT use Masaniello** yet
- **Monitor constantly** results

For Advanced:

- **Use SOROS and Martingale** according to strategy
- **Masaniello only** for experts with much capital
- **Adjust parameters** based on performance

- **Always have** stop loss configured

Safety Rules

1. **ALWAYS test on DEMO** before using real account
 2. **Never use more than 50%** of your capital
 3. **Configure stop loss** adequate
 4. **Monitor constantly** performance
 5. **Stop immediately** if loss limit is reached
 6. **Don't increase values** after consecutive losses
 7. **Have reserve** for emergencies
 8. **Diversify strategies** to reduce risk
-

6.1. REPORTS AND OPERATIONS HISTORY



Detailed Final Report

At the end of each trading session, the MALANGE robot generates a **complete report** with statistics and information about all operations performed.



Report Components

The final report includes:

1. **Session Information:**
2. Broker used
3. Account type (DEMO/REAL/TOURNAMENT)
4. Strategy used
5. Active confluences
6. Active risk management
7. **Operation Statistics:**
8. Total operations performed
9. Total WIN vs LOSS (TRADES scoreboard)
10. Win rate (WIN / TOTAL)
11. Individual operations scoreboard (includes GALEs)
12. **Martingale/GALE Analysis:**
13. WIN without GALE
14. WIN in GALE 1, GALE 2, GALE 3, etc.
15. Victory distribution by level
16. **Financial Result:**
17. Total session profit/loss
18. Target achieved (%)

- 19. Variation over initial balance (%)
- 20. Final balance
- 21. **Time Information:**
- 22. Total execution time
- 23. End date and time
- 24. Robot version

Detailed Operations History

New Feature: The robot now offers a **detailed history** of all individual operations performed during the session.

Detailed History Configuration

In the `[AJUSTES]` section of the `config.txt` file, you can control whether to display or hide the detailed history:

```
[AJUSTES]
# ... other settings ...
detalhar_operacoes = Y      # Display detailed history in final report (Y/N)
```

Parameter Explanation:

- **Y:** Shows detailed history of all operations (DEFAULT)
- **N:** Hides detailed history (useful for cleaner reports)

What the Detailed History Shows

When `detalhar_operacoes = Y`, the report includes:

1. **Operation Number:** Sequential number (1, 2, 3...)
2. **Time:** Operation execution time (HH:MM format)
3. **Asset:** Traded asset (e.g., EURUSD-OTC)
4. **Direction:** CALL (up) or PUT (down)
5. **Result:** WIN, LOSS, or DRAW

6. **GALE Level:** Shows if it was a recovery operation
7. Empty: Normal WIN/LOSS
8. (G1): WIN/LOSS in GALE 1
9. (G2): WIN/LOSS in GALE 2
10. (SOROS): WIN in SOROS progression
11. **PnL:** Profit/Loss of the operation with color coding
12. Green: Positive PnL (WIN)
13. Red: Negative PnL (LOSS)

Example of Detailed History

```
>> HISTÓRICO DETALHADO DAS OPERAÇÕES:
>> Total de operações registradas: 5
>> 1. 09:56 | USDHKD-OTC | CALL | LOSS | PnL: -101.43
>> 2. 09:57 | USDHKD-OTC | CALL | LOSS | PnL: -233.28
>> 3. 09:58 | USDHKD-OTC | CALL | WIN (G2) | PnL: +478.73
>> 4. 10:00 | USDNOK-OTC | PUT | LOSS | PnL: -102.87
>> 5. 10:01 | USDNOK-OTC | PUT | WIN (G1) | PnL: +211.04
```

Benefits of Detailed History

-  **Complete transparency:** See all operations performed
-  **Performance analysis:** Identify patterns and trends
-  **Strategy validation:** Verify if strategy is working
-  **Risk monitoring:** Track GALE usage frequency
-  **Learning tool:** Understand robot behavior
-  **Audit trail:** Complete record for analysis

When to Hide Detailed History

You may want to set `detalhar_operacoes = N` when:

- **Clean reports:** For presentation or sharing

- **Long sessions:** Many operations make report very long
 - **Performance:** Faster report generation
 - **Storage:** Smaller log files
-

7. NOTIFICATIONS AND TELEGRAM

Telegram Configuration

The robot can send Telegram notifications to keep you informed about all operations. All Telegram configurations are in the [LOGIN] section of the config.txt file.

How to Get Chat ID:

1. **Open Telegram** on your phone or computer
2. **Search for** `@Tropical_OB_bot`
3. **Send** `/start` to authorize the bot
4. **Search for** `@BotFather`
5. **Send** `/start`
6. **Copy the number** that appears (e.g., 1234567890)
7. **Paste in config.txt file:**

```
[LOGIN]
telegram_chat_id = 1234567890
notificar_telegram = Y
```

Notification Types:

Bot Start:

```
🤖 MALANGE TRADING BOT v2.02.112
✅ Bot started successfully!
📊 Strategy: Winner Strategy (39)
💰 Entry value: $10
🎯 Target: $50 | 🛡️ Limit: $100
```

Entry Executed:

 ENTRY EXECUTED

 Time: 14:30:25

 Value: \$10

 Direction: CALL

 Asset: EURUSD

 Timeframe: M1

✓ Result - Win:

 WIN!

 Profit: \$7.50

 Total: \$17.50

 Next target: \$32.50

✗ Result - Loss:

 LOSS

 Loss: \$10.00

 Total: \$90.00

 Remaining limit: \$110.00

🎯 Target Reached:

 TARGET REACHED!

 Total profit: \$50.00

 Bot paused by stop win

🛡️ Loss Limit:

 LOSS LIMIT REACHED

 Total loss: \$100.00

 Bot paused by stop loss

🔔 Notification Advantages

-  **Real-time tracking** of all operations
-  **Receive alerts** for targets and limits
-  **Monitor statistics** without being at computer
-  **Be notified** of problems or errors
-  **Track progress** anywhere

Troubleshooting

Problem: Don't receive notifications

Solution:

1. Check if `notificar_telegram = Y`
2. Confirm Chat ID is correct
3. Test sending a message to `@BotFather`

Problem: Chat ID doesn't work

Solution:

1. **IMPORTANT:** Send `/start` to `@Tropical_OB_bot` to authorize the bot
 2. Send `/start` again to `@BotFather`
 3. Copy exact number (no spaces)
 3. Save config.txt file
-

8. TROUBLESHOOTING

Common Problems and Solutions

Error: "Connection failure"

Cause: Incorrect credentials or network problems

Solution:

1. Check email and password in config.txt file
2. Test login manually on broker website
3. Check your internet connection

Error: "Strategy not found"

Cause: Invalid strategy number

Solution:

1. Use only strategies 1 to 46
2. Check if number is correct in config.txt
3. Consult strategy list in estrategias.txt file

Error: "config.txt file not found"

Cause: Missing configuration file

Solution:

1. Run robot again for interactive configuration
2. Or copy config.sample.txt to config.txt
3. Configure manually necessary options

Error: "Telegram doesn't work"

Cause: Incorrect Chat ID or invalid configuration

Solution:

1. Get Chat ID correctly via @BotFather
2. Check if `notificar_telegram = Y`
3. Test sending a test message

Error: "Insufficient balance"

Cause: Account balance smaller than entry value

Solution:

1. Check your account balance on broker
2. Reduce `valor_entrada` in config.txt
3. Make deposit in account if necessary

Error: "Asset not available"

Cause: Specified asset not being traded

Solution:

1. Check broker operating hours
2. Wait a few minutes and try again
3. Check if broker is working normally

Important Checks

Before Using Robot:

1.  **Test on DEMO** first
2.  **Check credentials** in config.txt
3.  **Confirm sufficient balance**
4.  **Configure adequate stop loss**
5.  **Choose appropriate strategy**

During Use:

1.  **Monitor constantly** performance
2.  **Check Telegram notifications**
3.  **Don't change configurations** during operations
4.  **Maintain stable** internet connection
5.  **Keep backup** of config.txt

In Case of Problems:

1.  **Restart robot**

2.  **Check error logs**
3.  **Fix configurations** if necessary
4.  **Consult this manual** for solutions
5.  **Stop robot** if problems persist

Checklist

Basic Configuration:

- [] config.txt file present
- [] Correct credentials (email/password)
- [] Account type selected (DEMO/REAL)
- [] Valid strategy (1-46)
- [] Entry values configured

Security:

- [] Stop loss configured
- [] Stop win configured
- [] Manual mode activated (for beginners)
- [] Low values for testing
- [] DEMO account for beginners

Notifications:

- [] Telegram configured (optional)
 - [] Correct Chat ID
 - [] Notifications activated
 - [] Notification test working
-

9. TIPS AND BEST PRACTICES



Tips for Beginners



Start Simple:

1. **Always use DEMO account** in first days
2. **Choose simple strategies** (1-2 stars)
3. **Configure low values** (\$5-20)
4. **Use manual mode** to confirm operations
5. **Monitor constantly** results



Recommended Strategies:

- **Winner Strategy (39)**: Most stable
- **Chinese (33)**: Simple and effective
- **Pattern D21 (17)**: Classic and tested



Safe Configurations:

```
[AJUSTES]
conta = 1           # ALWAYS DEMO first
auto = N           # Manual mode
valor_entrada = 10  # Low values
stop_win = 50       # Conservative target
stop_loss = 100     # Loss limit
estrategia = 39     # Winner Strategy
```



Tips for Intermediates



Optimization:

1. **Test different strategies** to find the best
2. **Use confluences** for higher precision

3. **Configure SOROS** for risk management
4. **Monitor hours** of better performance
5. **Adjust parameters** based on results

Effective Confluences:

```
confluencias = "EMA","RSI","ADX" # Good precision
confluencias = "TREND","MACD"    # For trends
confluencias = "RSI","FRACTAIS"  # For reversals
```

Recommended Hours:

- **9h-12h:** European market active
- **14h-17h:** American market active
- **Avoid:** 12h-14h (low volatility)

Tips for Advanced

Complex Strategies:

1. **Combine multiple strategies** at different hours
2. **Use Martingale** with extreme caution
3. **Configure Masaniello** for specific targets
4. **Monitor multiple assets** simultaneously
5. **Analyze statistics** for optimization

Advanced Optimization:

```
[AJUSTES]
filtrar_ttz = Green, Light Green # Only favorable hours
pay_minimo = 80                  # High payout
atualizar_pares = 30             # Update assets every 30min
```

Performance Analysis:

- **Win rate:** Should be > 60%
- **Average profit:** Monitor per session
- **Maximum drawdown:** Don't exceed 20%
- **Operation time:** Optimize hours

Safety Rules

Capital Management:

1. **Never risk more than 5%** of capital per day
2. **Always use stop loss**
3. **Don't increase values** after losses
4. **Have reserve** for emergencies
5. **Diversify strategies** to reduce risk

Trading Psychology:

1. **Maintain emotional discipline**
2. **Don't trade** under stress or fatigue
3. **Accept losses** as part of process
4. **Don't chase losses** with higher values
5. **Celebrate wins** but maintain humility

Maintenance:

1. **Make regular backup** of config.txt
2. **Update robot** when available
3. **Monitor error logs**
4. **Test configurations** before using
5. **Keep record** of results

Additional Resources

Documentation:

- **estrategias.txt:** Complete strategy list
- **config.sample.txt:** Configuration examples
- **README.md:** Technical documentation
- **Official website:** <https://malange.com.br/>

Useful Links:

- **Supported Brokers:**
- **Avalon:** <https://avalonbroker.com>
- **Atriun:** <https://atriunbroker.finance>
- **Broker10:** <https://broker10.com>
- **Bullex:** <https://bullex.com>
- **CasaTrade:** <https://casatrade.com>
- **CapitalBear:** <https://capitalbear.com>
- **DayProfit:** <https://dayprofit.com>
- **Exnova:** <https://exnova.com>
- **IQ Option:** <https://iqoption.com>
- **MangoTrade:** <https://mangotrade.com>
- **Nyrion:** <https://nyrion.com>
- **OptgoBroker:** <https://optgobroker.com>
- **Polarium:** <https://polarium.com>
- **Telegram:** <https://telegram.org>
- **TraderTimeZone:** For hour analysis
- **Community forum:** For doubts and support

Support:

1. **Consult this manual** first

2. **Check official documentation**
 3. **Test on DEMO** before reporting problems
 4. **Provide detailed logs** when reporting bugs
 5. **Be specific** when describing problems
-

CONCLUSION

The **MALANGE Trading Bot** is a powerful tool for automated binary options trading. With its 46 strategies, multiple risk management systems, and user-friendly interface, it offers a complete solution for both beginners and experienced traders.

Important Reminders:

1.  **Trading involves risks** - You can lose money
2.  **Always test on DEMO** before using real account
3.  **Study and understand** strategies before using
4.  **Use adequate risk management**
5.  **Configure notifications** to track operations
6.  **Keep robot updated** with latest versions

Next Steps:

1. **Download robot** from official website
2. **Run interactive configuration**
3. **Test on DEMO account** for a few days
4. **Analyze results** and adjust configurations
5. **When confident**, consider using real account with low values

Support and Updates:

- **Official website:** <https://malange.com.br/>
 - **Updates:** Always available on website
 - **Documentation:** Consult this manual and included files
 - **Community:** Participate in forums and user groups
-



MALANGE Trading Bot v2.02.112

Automated Trading System for Binary Options



LEGAL DISCLAIMER: This software is provided "as is" for educational purposes. The use of this robot is entirely the user's responsibility. The developers are not responsible for financial losses arising from the use of this software. Always test on DEMO account before using real money.

Manual created in English for beginner users

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