

# Complete Configuration Manual - Malange Trading Bot

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## Introduction

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The **Malange Trading Bot** is an advanced automated trading system for binary options that supports multiple brokers and languages. This manual provides a detailed explanation of all available configurations, organized logically with practical examples.

### Main Features

- **Elegant ASCII System** - Professional interface with colored symbols
- **Multi-language** - Support for Portuguese, English and Spanish
- **14 Brokers** - Support for multiple brokers (currently only IQ Option functional)
- **41 Strategies** - Tested and optimized strategies
- **Telegram** - Real-time notifications
- **Security** - Encrypted credentials
- **Docker** - Production deployment

### ⚠ Current Broker Status

- **IQ Option**: Fully functional and recommended
- **Quotex**: In development (coming soon)
- ⚠ **Other 12 brokers**: Temporarily unavailable due to technical issues

### Configuration File Structure

The `config.txt` file is organized in sections (blocks) that group related configurations. Each section is identified by `[SECTION_NAME]` and contains key-value pairs.

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# Login Configuration

## Section: [LOGIN]

This section contains authentication information and notifications.

### Available Parameters

| Parameter          | Type   | Default | Description                    |
|--------------------|--------|---------|--------------------------------|
| corretora          | string | avalon  | Name of the broker to be used  |
| email              | string | " "     | Email of the broker account    |
| senha              | string | " "     | Password of the broker account |
| notificar_telegram | Y/N    | N       | Enable Telegram notifications  |
| telegram_chat_id   | number | 0       | Telegram chat ID               |

### Configuration Example

```
ini [LOGIN] corretora = iqoption # Main broker (currently functional) email =  
"your@email.com" # Your email senha = "your_password" # Your password  
notificar_telegram = Y # Enable notifications telegram_chat_id = 1234567890 # Your  
chat ID
```

### Broker Status

#### Functional Brokers (Currently)

- iqoption - **IQ Option** - **WORKING** (Recommended)

#### Brokers in Development

- quotex - **Quotex** - **Coming Soon** (Implementation planned)

#### ⚠ Temporarily Unavailable Brokers

- avalon - Avalon - ⚠ Technical issues
- broker10 - Broker10 - ⚠ Technical issues
- exnie - Exnie - ⚠ Technical issues
- exnova - Exnova - ⚠ Technical issues
- casatrade - CasaTrade - ⚠ Technical issues
- capitalbear - Capital Bear - ⚠ Technical issues
- bullex - Bullex - ⚠ Technical issues
- polarium - Polarium - ⚠ Technical issues
- optgobroker - OptgoBroker - ⚠ Technical issues
- mangotrade - MangoTrade - ⚠ Technical issues
- nyrion - Nyrion - ⚠ Technical issues
- dayprofit - DayProfit - ⚠ Technical issues

### Current Recommendation

**Use only IQ Option** until other brokers are fixed. IQ Option is stable and reliable for trading.

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## ⚙️ Settings Configuration

### Section: [AJUSTES]

This section contains the main robot configurations.

#### Basic Parameters

| Parameter         | Type   | Default | Description                          |
|-------------------|--------|---------|--------------------------------------|
| idioma            | string | pt-BR   | Robot language (pt-BR, en-US, es-ES) |
| auto              | Y/N    | N       | Automatic mode (WARNING!)            |
| conta             | 1/2    | 1       | Account type (1=DEMO, 2=REAL)        |
| tipo              | string | digital | Asset type (digital, binario, tudo)  |
| valor_entrada     | number | 10      | Entry value                          |
| stop_win          | number | 50      | Profit target                        |
| stop_loss         | number | 100     | Loss limit                           |
| estrategia        | number | 25      | Strategy number (1-40)               |
| recarregar_config | Y/N    | Y       | Auto-reload CONFIG                   |

#### Analysis Parameters

| Parameter  | Type   | Default | Description             |
|------------|--------|---------|-------------------------|
| pay_minimo | number | 70      | Minimum payout accepted |
| ativo      | string | par     | Specific asset or "par" |
| min_volume | number | 0       | Minimum volume          |

#### Management Parameters

| Parameter   | Type   | Default                  | Description        |
|-------------|--------|--------------------------|--------------------|
| filtrar_ttz | string | Verde, Verde claro, Azul | Allowed TTZ colors |

#### Configuration Example

```
ini [AJUSTES] idioma = en-US # English language auto = N # Manual mode (safer)
conta = 1 # DEMO account tipo = digital # Digital assets only valor_entrada = 10 #
$10 per entry stop_win = 50 # Target: $50 stop_loss = 100 # Limit: $100 estrategia
= 25 # Winner Strategy recarregar_config = Y # Auto-reload pay_minimo = 70 #
Minimum payout 70% ativo = par # Any asset min_volume = 0 # No volume limit
filtrar_ttz = Verde, Verde claro, Azul # Allowed colors
```

## Strategy Configuration

### Section: [ESTRATEGIA]

This section defines trading strategy parameters, including candle analysis and timeframe configurations.

#### Available Parameters

| Parameter    | Type   | Default | Description                       |
|--------------|--------|---------|-----------------------------------|
| estrategia   | number | 25      | Strategy number to use            |
| tipo         | string | digital | Asset type (digital, binary, all) |
| confluencias | list   | []      | Confluences for the strategy      |
| timeframe    | number | 60      | Timeframe in seconds (60=M1)      |
| qnt_velas    | number | 100     | Number of candles for analysis    |

#### Supported Timeframes

- 60 - 1 minute (M1)
- 300 - 5 minutes (M5)
- 900 - 15 minutes (M15)
- 1800 - 30 minutes (M30)
- 3600 - 1 hour (H1)

#### Configuration Example

```
ini [ESTRATEGIA] estrategia = 25 # Strategy number tipo = digital # Asset type
confluencias = "EMA3","ADX" # Confluences timeframe = 60 # 1 minute timeframe
qnt_velas = 100 # Analyze 100 candles
```

## Martingale Configuration

### Section: [MARTINGALE]

Martingale is a risk management system that doubles the entry value after each loss.

#### Available Parameters

| Parameter         | Type   | Default | Description                 |
|-------------------|--------|---------|-----------------------------|
| usar_martingale   | Y/N    | N       | Enable Martingale system    |
| niveis_martingale | number | 2       | Number of Martingale levels |
| fator_martingale  | number | 2.1     | Multiplication factor       |
| inverter_gale     | Y/N    | Y       | Invert direction on gale    |

## How Martingale Works

1. **Initial entry:** \$10
2. **Loss at level 1:** \$10 (loss)
3. **Gale 1:** \$21 ( $10 \times 2.1$ )
4. **Loss at level 2:** \$21 (total loss: \$31)
5. **Gale 2:** \$44.10 ( $21 \times 2.1$ )
6. **Win:** \$44.10 (profit: \$13.10)

## Configuration Example

```
ini [MARTINGALE] usar_martingale = Y # Enable Martingale niveis_martingale = 2 #  
Maximum 2 levels fator_martingale = 2.1 # Multiply by 2.1 inverter_gale = Y #  
Invert direction on gale
```

## ⚠ Important Warnings

- **High Risk:** Martingale can cause large losses
- **Test First:** Always test on DEMO account
- **Level Limit:** Use maximum 2-3 levels
- **Adequate Capital:** Have enough capital to support losses

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# SOROS Configuration

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## Section: [SOROS]

SOROS is a risk management system based on profit levels.

## Available Parameters

| Parameter    | Type   | Default | Description            |
|--------------|--------|---------|------------------------|
| usar_soros   | Y/N    | Y       | Enable SOROS system    |
| niveis_soros | number | 1       | Number of SOROS levels |

## How SOROS Works

1. **Level 1:** Entry with base value
2. **Win:** Restart to next level
3. **Loss:** Restart from level 1
4. **Draw:** Maintain current level

## Configuration Example

```
ini [SOROS] usar_soros = Y # Enable SOROS niveis_soros = 1 # 1 level only
```

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# Masaniello Configuration

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## Section: [MASANIELLO]

Masaniello is a management system based on events and expected wins.

## Available Parameters

| Parameter          | Type   | Default | Description              |
|--------------------|--------|---------|--------------------------|
| usar_masaniello    | Y/N    | N       | Enable Masaniello system |
| num_eventos        | number | 10      | Number of events         |
| vitorias_esperadas | number | 6       | Expected wins            |

## How Masaniello Works

1. **Events:** Total number of operations
2. **Expected Wins:** How many wins are needed
3. **Calculation:** Value = (Target ÷ Expected Wins) × (Events ÷ Expected Wins)
4. **Restart:** After reaching expected wins

## Configuration Example

```
ini [MASANIELLO] usar_masaniello = N # Disable Masaniello num_eventos = 10 # 10
events vitorias_esperadas = 6 # 6 expected wins
```

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# Telegram Configuration

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## Notification Configuration

Telegram is configured in the [LOGIN] section and allows receiving real-time notifications.

## How to Get Chat ID

1. Send message to @BotFather
2. Use command /start
3. Copy the chat number
4. Paste in telegram\_chat\_id parameter

## Configuration Example

```
ini [LOGIN] notificar_telegram = Y # Enable notifications telegram_chat_id =
1234567890 # Your Chat ID
```

## Notification Types

- **Bot Start:** When robot starts
  - **Signals:** Entries and results
  - **Targets:** When reaching stop win/loss
  - ⚠ **Errors:** Connection problems
  - **Reports:** Final statistics
- 

# Confluences Configuration

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## Confluence System

Confluences are additional conditions that must be met for an entry.

## Available Confluences

- EMA - Exponential moving averages
- SMA - Simple moving averages
- RSI - Relative strength index
- ADX - Average directional index
- MACD - Moving average convergence divergence
- FRACTAIS - Fractal analysis
- TREND - Trend analysis

## Configuration Example

```
ini [AJUSTES] confluencias = EMA, RSI, ADX # Use EMA, RSI and ADX
```

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## Indicators Configuration

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### RSI (Relative Strength Index)

| Parameter         | Type   | Default | Description            |
|-------------------|--------|---------|------------------------|
| rsi_minimo        | number | 30      | Minimum RSI for buy    |
| rsi_maximo        | number | 70      | Maximum RSI for sell   |
| rsi_compra_inicio | number | 40      | RSI start of buy zone  |
| rsi_compra_final  | number | 49      | RSI end of buy zone    |
| rsi_venta_inicio  | number | 51      | RSI start of sell zone |
| rsi_venta_final   | number | 60      | RSI end of sell zone   |
| rsi_periodo       | number | 14      | RSI period             |

### ADX (Average Directional Index)

| Parameter   | Type   | Default | Description           |
|-------------|--------|---------|-----------------------|
| adx_minimo  | number | 20      | Minimum ADX for trend |
| adx_periodo | number | 14      | ADX period            |

### EMA (Exponential Moving Average)

| Parameter  | Type   | Default | Description       |
|------------|--------|---------|-------------------|
| ema_rapida | number | 9       | Fast EMA period   |
| ema_lenta  | number | 21      | Slow EMA period   |
| ema_sinal  | number | 5       | Signal EMA period |

## MACD (Moving Average Convergence Divergence)

| Parameter   | Type   | Default | Description        |
|-------------|--------|---------|--------------------|
| macd_rapida | number | 12      | Fast MACD period   |
| macd_lenta  | number | 26      | Slow MACD period   |
| macd_sinal  | number | 9       | MACD signal period |

## Keltner Channels

| Parameter            | Type   | Default | Description             |
|----------------------|--------|---------|-------------------------|
| keltner_periodo      | number | 20      | Keltner channels period |
| keltner_deslocamento | number | 2       | Channels displacement   |
| keltner_media        | string | "ema"   | Average type (ema, sma) |

### Complete Configuration Example

```
```ini [AJUSTES]
```

## RSI

```
rsi_minimo = 30 rsi_maximo = 70 rsi_compra_inicio = 40 rsi_compra_final = 49 rsi_venda_inicio = 51 rsi_venda_final = 60 rsi_periodo = 14
```

## ADX

```
adx_minimo = 20 adx_periodo = 14
```

## EMA

```
ema_rapida = 9 ema_lenta = 21 ema_sinal = 5
```

## MACD

```
macd_rapida = 12 macd_lenta = 26 macd_sinal = 9
```

## Keltner

```
keltner_periodo = 20 keltner_deslocamento = 2 keltner_media = "ema" ```
```



## Filters Configuration

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### TTZ (TraderTimeZone) Filter

The TTZ filter allows trading only at specific times based on TraderTimeZone colors.

#### Available Colors

- Verde - Favorable time
- Verde claro - Moderately favorable time
- Azul - Neutral time
- Amarelo - Unfavorable time
- Vermelho - Very unfavorable time

#### Configuration Example

```
ini [AJUSTES] filtrar_ttz = Verde, Verde claro, Azul # Trade only these colors
```

### Volume Filter

| Parameter  | Type   | Default | Description                 |
|------------|--------|---------|-----------------------------|
| min_volume | number | 0       | Minimum volume (0=disabled) |

## Limits Configuration

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### Operation Limits

| Parameter      | Type   | Default | Description                             |
|----------------|--------|---------|-----------------------------------------|
| limite_win     | number | 0       | Win limit (0=unlimited)                 |
| limite_loss    | number | 0       | Loss limit (0=unlimited)                |
| limite_duracao | number | 0       | Duration limit in minutes (0=unlimited) |

#### Configuration Example

```
ini [AJUSTES] limite_win = 10 # Stop after 10 wins  
limite_loss = 5 # Stop after 5 losses  
limite_duracao = 120 # Stop after 2 hours
```

## Display Configuration

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### Display Parameters

| Parameter       | Type   | Default | Description                                |
|-----------------|--------|---------|--------------------------------------------|
| ocultar_valores | Y/N    | N       | Hide monetary values                       |
| atualizar_pares | number | 0       | Update assets every X minutes (0=disabled) |

## Configuration Example

```
ini [AJUSTES] ocultar_valores = N # Show monetary values atualizar_pares = 60 #  
Update assets every 60 minutes
```

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## Practical Examples

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### Configuration for Beginners

```
``ini [LOGIN] corretora = avalon email = "your@email.com" senha = "your_password"  
notificar_telegram = Y telegram_chat_id = 1234567890  
  
[AJUSTES] idioma = en-US auto = N conta = 1 tipo = digital valor_entrada = 5 stop_win = 25  
stop_loss = 50 estrategia = 25 recarregar_config = Y pay_minimo = 70 ativo = par min_volume = 0  
filtrar_ttz = Verde, Verde claro, Azul  
  
[ESTRATEGIA] estrategia = 25 tipo = digital confluencias = "EMA3","ADX" timeframe = 60  
qnt_velas = 10  
  
[MARTINGALE] usar_martingale = N niveis_martingale = 2 fator_martingale = 2.1 inverter_gale = Y  
  
[SOROS] usar_soros = N niveis_soros = 1 ``
```

### Configuration for Experienced Users

```
``ini [LOGIN] corretora = iqoption email = "your@email.com" senha = "your_password"  
notificar_telegram = Y telegram_chat_id = 1234567890  
  
[AJUSTES] idioma = en-US auto = N conta = 2 tipo = digital valor_entrada = 20 stop_win = 100  
stop_loss = 200 estrategia = 39 recarregar_config = Y pay_minimo = 75 ativo = par min_volume =  
1000 filtrar_ttz = Verde, Verde claro limite_win = 15 limite_loss = 8 limite_duracao = 180  
ocultar_valores = N atualizar_pares = 30  
  
[ESTRATEGIA] estrategia = 39 tipo = digital confluencias = "EMA3","ADX","PSAR" timeframe = 60  
qnt_velas = 15  
  
[MARTINGALE] usar_martingale = Y niveis_martingale = 2 fator_martingale = 2.0 inverter_gale = Y  
  
[SOROS] usar_soros = Y niveis_soros = 2  
  
[MASANIELLO] usar_masaniello = Y num_eventos = 15 vitorias_esperadas = 8 ``
```

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## Troubleshooting

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### Common Problems

#### 1. Connection Error

[ERROR] Connection failed: Invalid credentials **Solution:** Check email and password in [LOGIN] section

#### 2. Strategy Not Found

[ERROR] Strategy 50 not found **Solution:** Use strategies from 1 to 39

### 3. Telegram Not Working

[ERROR] Failed to send notification **Solution:** Check telegram\_chat\_id and notificar\_telegram = Y

### 4. Configuration Not Loading

[ERROR] Error loading configuration **Solution:** Check config.txt file syntax

### Important Checks

1. **Syntax:** All sections must be between [SECTION]
2. **Values:** Numbers should not have quotes
3. **Strings:** Texts must be between quotes
4. **Encoding:** File must be in UTF-8
5. **Backup:** Always backup before changes

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## Glossary

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### Technical Terms

| Term              | Definition                                |
|-------------------|-------------------------------------------|
| <b>Asset</b>      | Financial instrument traded (ex: EUR/USD) |
| <b>Binary</b>     | Binary option (CALL or PUT)               |
| <b>Digital</b>    | Digital option (most common)              |
| <b>Timeframe</b>  | Candle time period (M1, M5, etc.)         |
| <b>Payout</b>     | Broker's gain multiplier                  |
| <b>Martingale</b> | System that doubles entry after loss      |
| <b>SOROS</b>      | System based on profit levels             |
| <b>Masaniello</b> | System based on events and wins           |
| <b>Confluence</b> | Additional condition for entry            |
| <b>RSI</b>        | Relative strength index                   |
| <b>ADX</b>        | Average directional index                 |
| <b>EMA</b>        | Exponential moving average                |
| <b>SMA</b>        | Simple moving average                     |
| <b>MACD</b>       | Moving average convergence divergence     |
| <b>TTZ</b>        | TraderTimeZone (time colors)              |
| <b>Gale</b>       | Martingale level                          |

| Term             | Definition    |
|------------------|---------------|
| <b>Stop Win</b>  | Profit target |
| <b>Stop Loss</b> | Loss limit    |

## Abbreviations

| Abbreviation | Meaning                           |
|--------------|-----------------------------------|
| <b>PT-BR</b> | Portuguese (Brazil)               |
| <b>EN-US</b> | English (United States)           |
| <b>ES-ES</b> | Spanish (Spain)                   |
| <b>DEMO</b>  | Demo account                      |
| <b>REAL</b>  | Real account                      |
| <b>API</b>   | Application Programming Interface |
| <b>JSON</b>  | JavaScript Object Notation        |
| <b>UTF-8</b> | Unicode Transformation Format     |

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## Support

For questions or problems:

1. **Consult this manual** - Most questions are answered here
2. **Check logs** - The robot generates detailed logs
3. **Test on DEMO** - Always test before using real account
4. **Make backup** - Always backup configurations

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**Malange Trading Bot v2.02.014** - Complete Configuration Manual!

This manual was created to facilitate the use of Malange Trading Bot. For more information, consult the project's technical documentation.