PineScript Strategy - Ichimoku

STANDARD SETTINGS - Fixed for All Strategies

The following sections contain standard settings that are common across all PineScript strategies with MT5 integration.

MT5 Integration Settings

Default settings for every strategy - all values must be customized:

Input Parameters

Parameter	Variable Name	Default Value
User ID	user_name	"User_1" (replace with your ID)
Lot Size	lot_size	"0.01" (replace with your lots)
Trading Symbol	tr_sym	"" (empty - insert MT5 symbol)
TP Pips	tp_pips	"200" (replace with your TP)
SL Pips	sl_pips	"200" (replace with your SL)
Comment	comment_	"str 1" (replace with your comment)

> **IMPORTANT:** "Yourpasshere" must be replaced with your actual password. All default values must be customized with your specific trading parameters.

JSON Message Format

```
// Long Entry Message
{
    "password": "Yourpasshere",    // REPLACE with your real password
    "timestamp": "{{timenow}}",
    "UsedID": "[user_name]",       // REPLACE with your user ID
    "Openclose": "open",
    "lots": "[lot_size]",          // REPLACE with your lot size
    "direction": "buy",
    "symbol": "[tr_sym]",          // REPLACE with MT5 symbol
    "takeprofitpips": "[tp_pips]",
    "stoplosspips": "[sl_pips]",
    "comments": "[comment_]"
}
```

Session Configuration

Default setting: 15:00 - 18:00 Italian time (NY session)
Can be configured for any time range according to your trading needs.

```
SessionStart = input.string("15:00", "SessionStart", group = 'Strategy Settings')
SessionEnd = input.string("18:00", "SessionEnd", group = 'Strategy Settings')
```

Daylight Savings Time Configuration

Complete DST Settings

```
timezoneA = input("GMT+2", title="Time-Zone A(same year)", group = "Daylight Savings Check")
startDateCheck1 = input.int(title="D:(Start)", defval=01, minval=1, maxval=31, inline = 'Start', group =
"Daylight Savings Check")
startMonthCheck1 = input.int(title="M:(Start)", defval=04, minval=1, maxval=12, inline = 'Start', group =
"Daylight Savings Check")
endDateCheck1 = input.int(title="D:(End)", defval=26, minval=1, maxval=31, inline = 'End', group = "Daylight
Savings Check")
endMonthCheck1 = input.int(title="M:(End)", defval=10, minval=1, maxval=12, inline = 'End', group =
"Daylight Savings Check")
timezoneB = input("GMT+1", title="Time-Zone B (Excluding Timezone A)", group = "Daylight Savings Check")

// Automatic timezone switching logic
inDateRangeCheck1 = (time >= timestamp(syminfo.timezone, year, startMonthCheck1, startDateCheck1, 0, 0))
     and (time < timestamp(syminfo.timezone, year, endMonthCheck1, endDateCheck1, 0, 0))
timezone = inDateRangeCheck1 ? timezoneA : timezoneB
```

STRATEGY SPECIFIC - Ichimoku Cloud Configuration

From this point, settings are specific to the Ichimoku Cloud strategy implementation.

Ichimoku Cloud Components

Input Parameters

Parameter	Variable	Default	Description

CLL (Conversion Line)	conversionPeriods	9	Tenkan-sen period
BLL (Base Line)	basePeriods	26	Kijun-sen period
LSBL (Lagging Span)	laggingSpan2Periods	52	Senkou Span B period
LS (Displacement)	displacement	26	Cloud displacement forward

Cloud Calculation

```
donchian(len) => math.avg(ta.lowest(len), ta.highest(len))
conversionLine = donchian(conversionPeriods)    // Tenkan-sen
baseLine = donchian(basePeriods)                // Kijun-sen
leadLine1 = math.avg(conversionLine, baseLine)  // Senkou Span A
leadLine2 = donchian(laggingSpan2Periods)       // Senkou Span B
```

Moving Average Filter

MA Configuration

Setting	Variable	Default
MA Timeframe	tf1	45 seconds to 12 hours options
MA Length	malen	100
MA Type	maline	SMA (Simple Moving Average)

EMA Configuration

Setting	Variable	Default
EMA Length	length	50

Entry Logic Structure

Trigger Level Calculation

```
// Long trigger: minimum of cloud boundaries and EMA
long_new = math.min(leadLine1[displacement], leadLine2[displacement], ema_line)

// Short trigger: maximum of cloud boundaries and EMA
short_new = math.max(leadLine1[displacement], leadLine2[displacement], ema_line)
```

State Management

```
// Long state activation
if ta.crossover(close, short_new) and barstate.isconfirmed
    stato_long_attivo := true
    stato_short_attivo := false

// Short state activation
if ta.crossunder(close, long_new) and barstate.isconfirmed
    stato_long_attivo := false
    stato_short_attivo := true
```

Entry Conditions

```
// Buy trigger
btr = (stato_long_attivo and stato_short_attivo[1] and trading_session1)
      and weekCondition and (close > matf1)

// Sell trigger
str = (stato_short_attivo and stato_long_attivo[1] and trading_session1)
      and weekCondition and (close < matf1)
```

Stop Loss and Risk Reward

```
slpip = input.int(50, "Stoploss", group = "Stoploss Settings")
mult = input.float(2.0, "RR", group = "Trade Settings")
```

Risk Calculation:

- Stop Loss: Fixed pips from entry (default: 50 pips)
- Take Profit: SL distance × RR multiplier (default: 50 × 2.0 = 100 pips)

Order Management

Entry Logic

```
// Long Entry
if btr and strategy.position_size == 0
    el := close
    sl := el - stopLoss
    tglong := el + mult * (el - sl)
    strategy.order('BuyE', strategy.long, qtyl)

// Short Entry
if str and strategy.position_size == 0
    es := close
    ss := es + stopLoss
```

```
    tgshort := es - mult * (ss - es)
    strategy.order('SellE', strategy.short, qty1)
```

Exit Orders with OCA Groups

Position	Exit Type	Order Type	OCA Group
Long	Take Profit	Limit	"Long"
Long	Stop Loss	Stop	"Long"
Short	Take Profit	Limit	"Short"
Short	Stop Loss	Stop	"Short"

Visual Components

Ichimoku Cloud Visualization

Element	Color	Description
Bullish Cloud	Green (90% transparency)	Senkou Span A > Senkou Span B
Bearish Cloud	Red (90% transparency)	Senkou Span A < Senkou Span B
MA Line	Orange	Higher timeframe moving average
EMA Line	Blue	Exponential moving average

Position Visualization

Element	Color	Style	Transparency
Entry Price	Blue	Line	0%
Stop Loss	Red	Line	0%
Take Profit	Green	Line	0%
Risk Zone	Red	Fill	85%
Reward Zone	Green	Fill	85%