

General EA logic

- the EA should open 1 trade per signal from indicator (buffer 0 = buy trade / buffer 1 = sell trade)
- EA should handle each trade **individually**
- EA should open **another** trade on next signal (even if there are other open trades)

EA Inputs

General Settings

Indicator Name	ExampleIndicator	
EA Comment	EA1	
Magic Number	9999	

Trade Settings

No trades „x“ minutes before/after market open	5	Don't open new trades “x” minutes before or after market open
Signal candle	0/1	0 = open trade on current candle / 1 = open trade on closed candle

Money Management

Lot size per trade	0.01	If value = 0 then use “Risk per trade (%)” option
Risk per trade (%)	2	see explanation below
TP1 (pips)	40	see explanation below
TP2 (pips)	60	see explanation below
SL (pips)	30	
Use trailing stop	true/false	see explanation below
EMA for trailing stop	20	Period of EMA
EMA _period	240	Timeframe for EMA in minutes
Use break even	true/false	see explanation below



Risk per trade (example with SL 30pips and 2% risk)

1.900\$

40\$

Risk per trade

Trade journal				
#	Pair	Balance	Trade size	Lots (1 lot = 100.000 units)
1	EUR/USD	2.000	40,00	0,1333
2	EUR/USD	2.000	40,00	0,1333
3	EUR/USD	2.020	40,40	0,1347
4	EUR/USD	2.050	41,00	0,1367
5	EUR/USD	1.900	41,00	0,1367
6	EUR/USD	1.900	41,00	0,1367
7	EUR/USD	2.300	46,00	0,1533

- The trade size is always based as a percentage of the account balance after the **last winning trade**. Initial trade size will be based on balance at terminal open.
- If a new signal comes and current balance is  balance of last winning trade then we will still use the trade size of last winning trade (40\$ in this example).
- If a new signal comes and balance is  balance of last winning trade then we calculate new trade size based on risk per trade (%)

Take profit

- If TP1 = 0 then keep trades running until manual close
- If TP1 > 0 && TP2 = 0 then close trade at TP1
- If TP1 > 0 and TP2 > 0 then close 50% of position when price hits TP1 and close 50% of position when price hits TP2
 - o If trailing stop = true then move SL as described in rule "Stop loss"

Stop loss

- If SL = 0 then keep trades running until manual close
- If SL > 0 && "Use trailing stop" = false then close trades at SL
- If SL > 0 && "Use trailing stop" = true then
 - o If "buy trade" && trade in profit && Low(i+1) < iMA(NULL, _period, i+1) && Close (i+1) > iMA(NULL, _period, i+1) then move SL = Low(i+1)
 - o If "sell trade" && trade in profit && High(i+1) > iMA(NULL, _period, i+1) && Close (i+1) < iMA(NULL, _period, i+1) then move SL = High(i+1)

Break Even

- If break even = true then close trade...
 - o Buy trade: Close(i)<Open(i) && current **profit of trade = 0** (considering price, spread and commission)
 - o Sell trade: Close(i)>Open(i) && current **profit of trade = 0** (considering price, spread and commission)

Trailing Stop and Break even option must work separately AND also together

→trailing = true + break even = true

→trailing = true + break even = false

→trailing = false + break even = true

→trailing = false + break even = false