

Positive Grid + Recovery EA

How does the EA Work?

There is a **panel** with some buttons:

New Buy order (opens manual buy order)
New Sell order (opens manual sell order)
New buy Grids: YES / NO (toggle button)
New sell Grids YES / NO (toggle button)
Recovery: ON / OFF (toggle button)

Trading can be started in the following way:

-> Clicking the New buy (or sell) order will open a buy order with a set TP (no SL) if buy 'grids' are allowed, new buy orders will be opened every x pip the trade moves in the good direction (so up in case of buy trade). Trades will also close along the way depending on the set TP.

If price goes against the order(s) and goes down, new sell grids can also be opened (if New sell grids = Yes). In this case new sell orders open every x pips that price moves down, in the same way as buys. When no sell trades are open, the position to determine where to open the first trade will be on a trailing base.

-> When a trade reaches a certain drawdown (in points, money or account%) it enters recovery mode. In this case the TP of the trade will be removed and it will be recovered by using zone recovery. (this is a common technique, used in many EA's, for example the 'Loss Recovery 2 EA')

In the **Parameter section** we see the following parameters:

MAIN SETTINGS:

- EA Mode: Backtesting / Protection Only / Trading
- Grid orders Magic Number:
- Grid orders TP (points)
- Next Grid order distance (points)
- Orders to cover:
 - Single position by specified order (order ID)
 - All positions on current chart
 - all positions with specific Magic Number
- Order ID: (when orders to cover = position by order ID)
- Magic Numbers: (seperated by ,) => when orders to cover = specific by Magic Number
- Max spread filter (points) => No new trades are opened when spread is higher then this setting
- Show trading panel (yes/no)
- show TP's on chart (valid for grid orders and recovery orders) yes/no
- Close other open charts when recovery starts (yes/no) -> is to eliminate other ea's interfering
- Enable notifications (yes/no)
- Enable popup alerts (yes/no)
- New buy Grids: YES / NO (also changes toggle on trade panel)
- New sell Grids YES / NO (Also changes toggle on trade panel)

- Recovery: ON / OFF (Also changes toggle on trade panel)
- Toggle 'new buy/sell grids' to NO when a recovery trade is activated (true/false)

Recovery Settings:

- Recovery orders Magic Number:
- When to start order recovery:
 - Based on points loss
 - Based on % loss
 - Based on money loss
- Points distance to start (when points):
- % loss to start (when %)
- money loss to start (when money)

- Extend zone high each step (points) – 0 = no extension
- Maximum orders in recovery basket
- Recovery fail determination
 - Based on % loss
 - Based on money loss
- Recovery fail % loss
- Recovery fail money loss
- What to do when recovery fails:
 - Close the 'recovery' positions for a loss
 - Hedge the recovery positions

Volume:

- Starting Lot Size:
- Recovery Volume Mode:
 - Add a fixed value
 - Fixed Multiplier
- Volume to add
- Volume Multiplier
- Maximum Volume

Recovery Take Profit:

- TP Mode:
 - Points
 - % profit
 - Money profit
- TP Points
- TP % balance
- TP Money
- consider swap in tp (yes/no)
- consider commissions in tp (yes/no)

Backtest test order:

- Time to place order: (hh:mm)
- direction of order: (BUY / SELL)
- Volume of order: (lot size)

More explanation + examples + screenshots:

=> Even though there are a lot of parameters, the execution of the EA is not that complicated.

=> Each order is treated like a separate order, so orders enter recovery mode '1 by 1' and not as a group of orders. Once an order is in recovery mode, it is part of a 'group' of orders and they will close together.

=> Recovery mode is explained here: <https://youtu.be/Ig08h7cCxFM?t=192> (3:12 – 4:05)

Operation of the EA in different modes:

Protection only: The EA monitors the orders selected in the 'orders to cover'. If an order reaches the specified drawdown (points, %, money) it opens a hedge order against that order. It does nothing else. It will only protect open orders from further drawdown. If the parameter 'close all other charts' is selected, it also first closes all other charts to prevent other EA's from interfering any further.

Trading Mode: Orders that are open (manually, or from other EA's) will be monitored. When an order that is monitored reaches the specified threshold (points DD, % DD or money DD) it will go into recovery mode. Recovery mode removes the TP from the order and opens an order in the opposite direction with a multiplier (or add) from the original order as set in the settings. The Zone is now established and if price continues in the same direction, the group of (2) orders will go into profit and close together for the set recovery mode TP. If price reverses before TP is hit, another order is opened in the opposite direction with the multiplier as set in the settings. This continues until either: The orders close in profit or the 'recovery fail' is reached. When recovery fail is reached the orders either close for loss or the orders are being hedged (to manually take care of them)

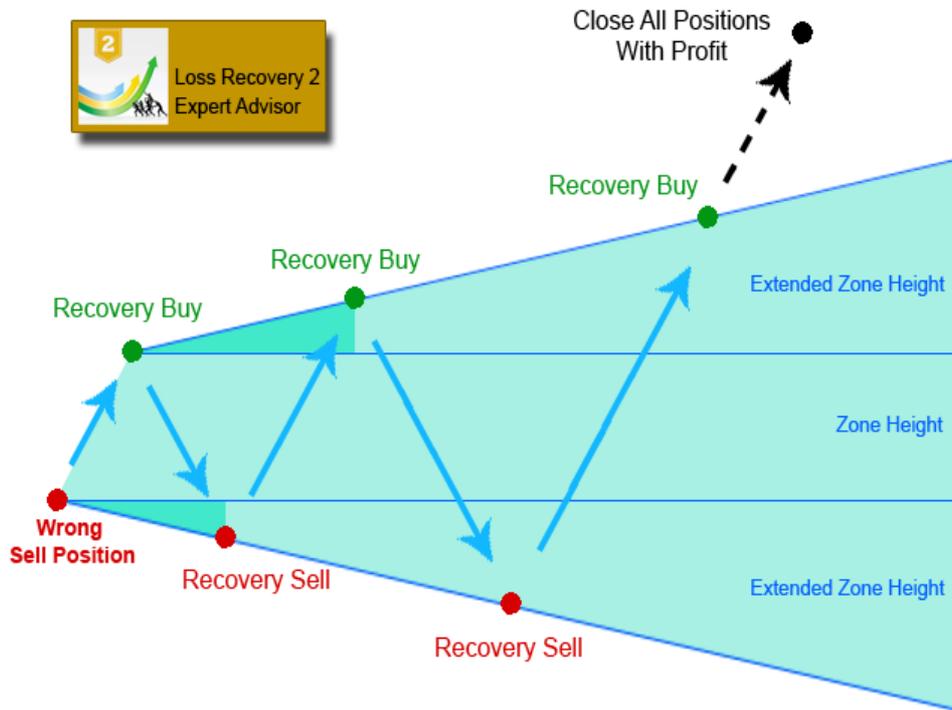
Another function in trading mode is to use the 'buy' or 'sell' buttons on the trading panel. If Grids are off (for both buy and sell), 1 order will open and will either reach TP or the recovery threshold and be handled as recovery trade.

If the Grids are **ON**, the EA will open new buy orders when the price continues to go up, and new sell orders when the price continues to go down. All orders have the same set TP. (for example 100 points) Either TP will hit, or the threshold for recovery will hit and the order will go into recovery mode.

Backtest mode:

The EA places a first trade at the set date and time in the parameters. It then operates according to the settings (opening grids, closing orders at TP, and go into recovery mode when needed)

Screenshots of how recovery mode works:



Screenshot of how the trade panel should look (buttons need to be added below)

Symbol	Ticket	Pro/Loss	Status
AUDCHF	222590736	-0.54	Waiting
AUDNZD	222590713	-9.57	Waiting
GBPCAD	222590752	-6.25	Waiting
GBPCAD	222590756	0.14	Waiting
GBPJPY	222590799	-55.93	Recovering
GBPJPY	222678635	-3.29	Waiting
GBPUSD	222591027	-34.64	Recovering
GBPUSD	222678636	-4.00	Waiting
USDCAD	222590979	-18.71	Waiting
USDJPY	222590880	-18.92	Waiting