Adapt 50% EA for real trading.

1. It should be made multi-currency. To achieve this, we should set pairs the EA is to work with. Specify a pair and its settings. The settings are to feature the ability to define up to 10 pairs. If not all pairs are defined, the EA works only on specified ones.
2. Add the deposit control function. When equity falls down to the specified level (in the deposit currency), all positions are closed on all pairs. Trading is stopped. If the equity falls down to the specified level or lower and goes up again, trading should be stopped and positions should be closed. If several EA instances are launched, trading is stopped on all of them. (The setting is common for all).
3. Add the spread control function. Open positions in any case, close them only if the spread is less than the one defined in the settings. If the spread exceeds the maximum one and it is time to close positions, wait till it falls and close positions. This applies only to the algorithm itself. If the closure by equity is activated, all positions are closed despite the spread. (The setting is different for each pair).
4. If deals are opened manually or by another EA, this should not interfere with work.
5. Write spread values defined in the settings to the log together with the appropriate time and pair. In other words, the spread is defined two times in the settings. The one is for work, while another one is for setting in the logs. The values are independent of each other. (The setting is different for each pair).
6. Set the maximum equity value (in the deposit currency), at which all positions are closed and trading starts anew. If 0, the function is not used.
7. Set the limitation on the number of simultaneously traded pairs (1-10). For example, if the parameter is set to 2 and there are active positions on two pairs, an incoming signal to open a position on the third one is ignored.
8. Add take profit and stop loss for each position in each pair.
9. The following trading errors should be handled:

A) No connection/position is not opened for some other reason (requote or other errors). If a position was to be opened at the moment there were no connection to the server on the current candle or it was not opened for some other reason, open a position when an opportunity arises within that candle. If the candle is closed, the position is not opened leaving empty space. All trading ends on the candle on which it should have ended but without the missed positions.

B) Managing open positions. The EA should manage active positions. It should not open extra ones and should not miss them unless the case described in point A occurs. If an extra position is suddenly opened, then it replaces the future one. This means that if the series is to contain 10 positions, there should not be more even in case of trading mistakes. The algorithm of handling a missing position has been described in A.

C) An EA/terminal/PC restart should be handled correctly. PC is turned off once a week. If a position is missed during a restart, it should be handled as specified in A. If a position closure is missed, close it now. In any case, when missing a position closure, it should be closed (close only positions belonging to the EA).

D) If a position is closed manually, it is assumed to be missed and handled as described in A.