

## Instructions for script `_ManualTrader.ex4`

### Purpose:

Continuous script to open Buy or Sell positions, place pending and straddle orders for instruments on multiple charts, maintain and close partial or full orders.

The script handles the orders of Forex, Futures, CFD's. Delayed Buy, Sell or Straddle orders are catered for via the external parameters text file under the section [Delay Order].

`_ManualTrader` is offered in both a script and an expert version. Both have the same functionality but have the following differences:

Program name	<code>_ManualTrader.ex4</code>	<code>_ManualTraderE.ex4</code>
Program type	Script	Expert
Response	Immediate	Immediate after first tick arrives
Week End reply	Replies to key action, like to key "I", but no trades are made. Ideal for validating changes in parameters over the week end	Silent
Program start	Change the focus to the "MetaTrader" desktop. Select "Navigator" -> "Scripts", Double click on " <code>_ManualTrader</code> " and press one of the action keys when appropriate.	Change the focus to the "MetaTrader" desktop. Select "Navigator" -> "Expert Advisors", Click on " <code>_ManualTraderE</code> " and press one of the action keys when appropriate.
Program exit	Press key "E"	Right click on chart where EA was launched, click on "Expert Advisors, click on "Remove".
Disconnection	Must be manually re-connected	MetaTrader 4 re-start's the expert advisor when the server has been re-connected.

In the instructions that follow read "expert" where "script" is specified and substitute `_ManualTraderE` for `_ManualTrader` when using the expert.

### Installation:

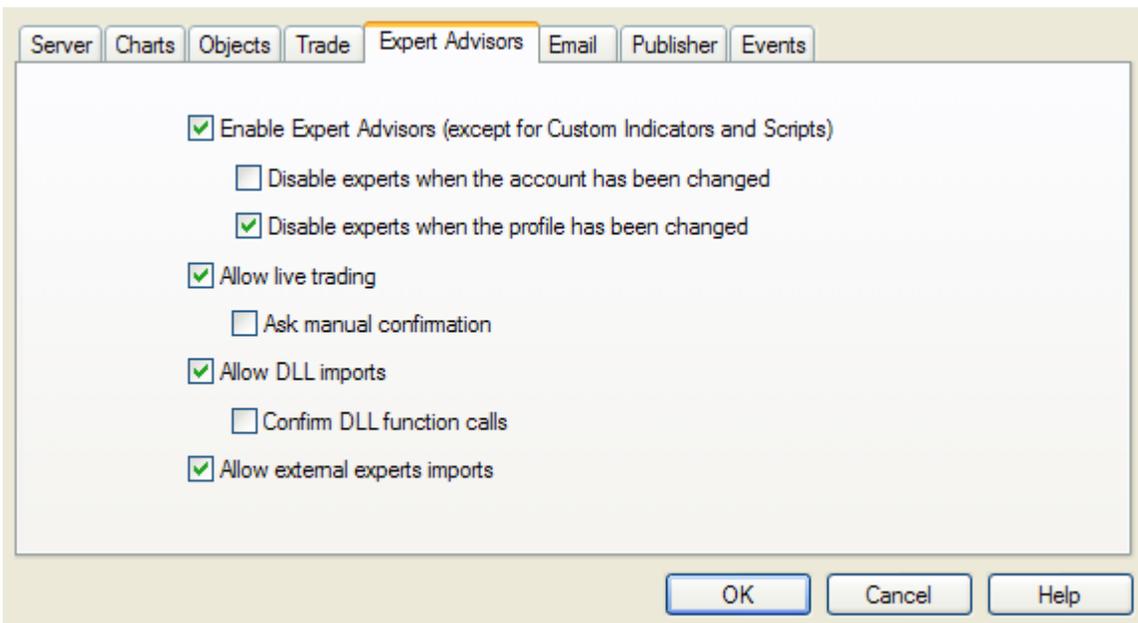
1) Place files into the following subdirectories:

<code>_ManualTraderInstructions.pdf</code>	into " <code>\experts\files</code> "	(instructions)
<code>_ManualTrader.txt</code>	into " <code>\experts\files</code> "	(inputs)
<code>_ManualTrader.ex4</code>	into " <code>\experts\scripts</code> "	(script)
<code>_ManualTraderE.ex4</code>	into " <code>\experts</code> "	(expert)
<code>Highway Blues.wma</code>	into " <code>\sounds</code> "	(alert)

2) Click or double click on `_ManualTraderInstructions.pdf` to read the instructions.

3) Click on `_ManualTrader.txt` to edit the external input parameters.

4) Click on "Tools", click on "Options" and select the following settings:



## Script Inputs:

The external input parameters are typed or edited in file "\_ManualTrader.txt" or a copy made for your broker's server using the "F" key (see below).

Single comments start with // symbols, end with the symbol of a new line.  
The multi-line comment symbols /\* and \*/ are not supported.

Notation used: D=Day of week (0-Sunday,1,2,3,4,5,6), HH=Hour, MM=Minute

The input parameters are organised in sections (delineated by the [ and ] symbols).

The parameters in each section follow the syntax: Name=Value or Name=Value1,Value2,Value3,...ValueN

Review each setting and alter to suit your style of trading or server.

## Error messages:

xxx section not found : could be that [ or ] missing from a section name, or that a note or comment line is not prefixed with the // symbols.

```
// External input parameters for script _ManualTrader
```

```
// Change "Font=Terminal", "Font Style=Bold", "Font Size=9" and "Word Wrap=Off".
```

### [General Settings]

```
ExpertID=1
```

```
TrailingStopFollowsPrice=PipByPip
```

```
AdjustTakeProfit=0
```

```
ExpirationOfPendingPosInMinutes=30
```

```
ExpirationOfOpenOrderInMinutes=0
```

```
WingdingCharacterForWatermark=(
```

```
MoveWatermarkOneRowDown=0
```

```
ColorBuy=Blue
```

```
ColorSell=Red
```

```
ColorBuyLimit=DeepSkyBlue
```

```
ColorSellLimit=Magenta
```

```
// Each order will be stamped with this number so that the script
// will only maintain or close it's own orders.
// Type in PipByPip, StepByStep or ByATR.
// PipByPip makes the TrailingStop follow the current price on a
// pip-by-pip basis.
// StepByStep makes the Trailing Stop follow the current price only
// if a multiple of Trailing Stop can be moved in the distance
// between the OrderStopLoss and current price.
// ByATR uses volatility to set the stop based on the MT4 iATR()
// function.
// Syntax is: ByATR(iAvgPeriod, dATRfactor) e.g. ByATR(21, 2.5)
// If passed as <1> (true) adjusts the OrderTakeProfit with the
// value of <TrailingStop> (parameter in the [Trade Specifications]
// section), so that the gap between StopLoss and TakeProfit is
// maintained.
// Type value <0> (false) for the OrderTakeProfit to remain the same
// as that set when the order was opened.
// The number of minutes to allow a pending position to wait before
// the market price reaches it's order price. The server cancels the
// pending position if the order price is not reached by the market
// within the expiration period.
// The number of minutes to allow an order to reach it's StopLoss
// (SL) or TakeProfit (TP) level. The expert closes the order if the
// SL or TP is not reached by the market within the expiration
// period.
// Be aware that this setting, if the value is greater than zero,
// will apply to ALL orders run by _ManualTrader.
// This option is more suitable for only one order.
// To inform from where the script was launched from,
// paste wingding Telephone or other from:
// MetaEditor -> MQL Navigator -> Dictionary -> Standard constants
// -> Wingdings
// Type in <0> (false), or type in <1> (true).
// Leave value blank or paste colour constants from:
// MetaEditor -> MQL Navigator -> Dictionary -> Standard constants
// -> Web colors
//
//
//
```

```

ColorBuyStop=DeepSkyBlue           //
ColorSellStop=Magenta               //
ColorOrderClose=                    //
ColorOrderCloseBy=                 //
ColorOrderDelete=                  //
ColorOrderModify=                   //
PlaySoundFile=Highway Blues.wma    // Used for the alerting of severe errors.
LicenseNumber=demo                  // License number is required to run script on a live account.
SleepingIntervalInMilliseconds=100 // Adjust value when running continuous script on faster PC's.

```

#### [Trade Specifications]

```

// This section allows general (where "Default_" is the prefix in the Name) as well as specific values
// (where the Symbol or Instrument is the Name). All values to be in pips except for "Lots" (Trade Size).

// Standard or fractional pips are to be entered where offered by the broker. Standard pips is where prices on
// the Forex are quoted to 4 decimals (2 decimals for JPY pairs) and fractional pips is where prices are
// quoted to 5 decimals (3 decimals for JPY pairs).

```

```

// DistanceToMarket represents how far away pending positions are to be placed from the current price.

```

```

// OpenWithSLandTP if set to <1> would open an order with the stop loss and take profit levels
// calculated using parameters StopLoss and TakeProfit,
// for example: OrderSend("EURUSD", OP_BUY, 0.2, Ask, 40, Bid-200*Point, Ask+500*Point);

```

```

// OpenWithSLandTP if set to <0> would open an order with the stop loss and take profit levels set as zero,
// for example: int ticket = OrderSend("EURUSD", OP_BUY, 0.2, Ask, 40, 0, 0);
// Later pressing keys "J" and "1" (if this is the first order) to place a stop loss 200 pips below the market
// would pass this order to the server:
// OrderModify(ticket, OrderOpenPrice(), Bid-200*Point, OrderTakeProfit(), OrderExpiration());
// Later pressing keys "T" and "1" (if this is the first order) to place a take profit 500 pips above the market
// would pass this order to the server:
// OrderModify(ticket, OrderOpenPrice(), OrderStopLoss(), Ask+500*Point, OrderExpiration());

```

// Syntax: Symbol	: Lots,	Slippage,	StopLoss,	TakeProfit,	TrailingStop,	DistanceToMarket,	OpenWithSLandTP
Default_Forex	: 0.1,	50,	350,	850,	200,	150,	1
Default_CFD	: 0.1,	5,	35,	85,	20,	15,	1
Default_Futures	: 0.1,	5,	35,	85,	20,	15,	1
Default_CFD_ndx	: 0.1,	5,	35,	85,	20,	15,	1
EURUSD	: 0.2,	40,	200,	500,	150,	150,	0
XAUUSD	: 1,	600,	17500,	42500,	10000,	7500,	0

#### [Trading Time]

```

Time=PC // Type in <Server>, <GMT> or <PC> for the value where:
// <Server> to use the time of latest quote from the broker's server TimeCurrent().
// <GMT> retrieves the current system date and time expressed in GMT (UTC) time,
// thank you Slawa.
// <PC> retrieves the current local date and time on the personal computer, the default for
// Section [Trading Time] if not specified. Set your PC to the same time as the Server,
// saves mental calculation.

```

```

// TradeStart is the time the Forex or exchange starts the trading week.

```

```

// TradeEnd is the time the Forex or exchange ends the trading week.

```

```

// DailyCloseStart may be used to signal the start of a pause in trading for certain instruments or for maintenance
// of the broker's server.

```

```

// DailyCloseEnd may be used to signal the end of a pause in trading for certain instruments or for maintenance of
// the broker's server.

```

// Syntax: Symbol	: TradeStart,	TradeEnd,	DailyCloseStart,	DailyCloseEnd	
//	D HH:MM,	D HH:MM,	HH:MM,	HH:MM	
Default_Forex	: 1 00:00,	6 00:00,	00:00,	00:00	// Mon 00:00 to Sat 00:00
Default_CFD	: 1 16:30,	5 23:00,	23:00,	16:30	// 16:30-23:00 Mon to Fri
Default_Futures	: 1 16:30,	5 23:00,	23:00,	16:30	// 16:30-23:00 Mon to Fri
Default_CFD_ndx	: 1 16:30,	5 23:00,	23:00,	16:30	// 16:30-23:00 Mon to Fri

**[Holidays]**

Time=PC // PC (the default for Section [Holidays] if not specified)

// Syntax: Symbol = MN.DD,MN.DD,MN.DD where MN=Month DD=Day

Default\_Forex = 01.01,01.19,02.16,04.10,04.12,05.25,07.04,09.07,10.12,11.11,11.26,12.25 // US holidays

Default\_CFD = 01.01,01.19,02.16,04.10,04.12,05.25,07.04,09.07,10.12,11.11,11.26,12.25 // US holidays

Default\_Futures = 01.01,01.19,02.16,04.10,04.12,05.25,07.04,09.07,10.12,11.11,11.26,12.25 // US holidays

Default\_CFD\_ndx = 01.01,01.19,02.16,04.10,04.12,05.25,07.04,09.07,10.12,11.11,11.26,12.25 // US holidays

**[Delay Order]**

Time=GMT // GMT (the default for Section [Delay Order] if not specified)

MinutesFromPlacingOrderToReport=5

// Delay Order syntax: &lt;cmd1&gt; &lt;sym1&gt; [&amp; &lt;cmd2&gt; &lt;sym2&gt;] @ &lt;time&gt; ON &lt;dow&gt; where:

// &lt;&gt; parameter must be passed.

// [] parameters are optional, and if used specifies OCO (One Cancels the Other) order.

// &lt;cmd1&gt; command 1:

// B = open a Buy position (market order),

// S = open a Sell position (market order),

// 0 = open a Buy position (market order),

// 1 = open a Sell position (market order),

// 2 = open a Buy limit pending position (counter trend order),

// 3 = open a Sell limit pending position (counter trend order),

// 4 = open a Buy stop pending position (trend order),

// 5 = open a Sell stop pending position (trend order),

// Z = place a straddle strategy setup. Buy and Sell stop pending positions are placed above and below the market price (by the amount of pips as specified by the parameter DistanceFromMarket).

// When one of the pending positions is changed into a market order when the price is reached, then the other remaining pending position is automatically cancelled.

// &lt;sym1&gt; currency Symbol or instrument 1.

// &lt;cmd2&gt; command 2 for OCO order:

// 2 = open a Buy limit pending position (counter trend order),

// 3 = open a Sell limit pending position (counter trend order),

// 4 = open a Buy stop pending position (trend order),

// 5 = open a Sell stop pending position (trend order).

// &lt;sym2&gt; currency Symbol or instrument 2 for OCO order.

// &lt;time&gt; Time when order must be placed in the format HH:MM

// &lt;dow&gt; Day Of the Week (0-Sunday,1,2,3,4,5,6) when order must be placed or,

// E = every day of the week (when the broker's server or the exchange is open).

// Note: Where the &lt;cmd2&gt; and &lt;sym2&gt; are optional this allows for OCO (One Cancels the Other)

// orders. The script places two pending orders and monitors them, when one gets filled the other is

// cancelled. There is no guarantee that both orders will not be filled in a fast moving market.

Z EURUSD @ 12:30 ON 4 // place straddle on Thursday 5 minutes before US Jobless Claims  
 Z GBPUSD @ 12:30 ON 4 // place straddle on Thursday 5 minutes before US Jobless Claims  
 Z USDJPY @ 11:45 ON 2 // place straddle on Tuesday 5 minutes before US ICSC-UBS Store Sales  
 Z USDJPY @ 12:55 ON 2 // place straddle on Tuesday 5 minutes before US Redbook Report  
 Z USDJPY @ 14:30 ON 3 // place straddle on Wednesday 5 minutes before US EIA Petroleum Report  
 4 USDCHF & 5 GBPUSD @ 12:55 ON E // place OCO on two different currencies every day  
 4 NZDUSD & 5 #IBM @ 16:06 ON 3 // place OCO on a currency and a CFD

// end 2009.08.25

Save the new or edited parameters of the input file by pressing keys Ctrl S.

## Action Keys:

Symbols or Instruments are selected by a left mouse click on a chart.  
Press one of the following keys for the type of order process required:

Key	Action
<b>B</b>	open a Buy position (market order), for the symbol of the chart which has focus.
<b>S</b>	open a Sell position (market order), for ditto.
<b>U B</b>	Under the market, place a Buy limit pending position (counter trend order), for ditto.
<b>A S</b>	Above the market, place a Sell limit pending position (counter trend order), for ditto.
<b>A B</b>	Above the market, place a Buy stop pending position (trend order), for ditto.
<b>U S</b>	Under the market, place a Sell stop pending position (trend order), for ditto.
<b>Z</b>	place a Straddle strategy setup, for ditto. Buy and Sell stop pending positions are placed above and below the market price (by the amount of pips as specified by the parameter "DistanceFromMarket"). When one of the pending positions is changed into a market order when the price is reached, then the other remaining pending position is automatically cancelled.
<b>C</b>	Close opened orders, for the symbol of the chart which has focus and whose order magic number matches that of the input parameter "ExpertID".
<b>P</b>	close opened Profitable orders, for ditto.
<b>L</b>	close opened Losing orders, for ditto.
<b>. 3</b>	close a Third of the lots for the opened orders, for ditto. If a third of the lots of an order is smaller than the minimum permitted amount of a lot, then the order is closed. Orders with the most loss are closed first, if more than one order is to be closed.
<b>. 5</b>	close Half of the lots for the opened orders, for ditto. If half of the lots of an order is smaller than the minimum permitted amount of a lot, then the order is closed. Orders with the most loss are closed first, if more than one order is to be closed.
<b>D</b>	Delete pending orders, for ditto.
<b>R</b>	Reverse an order by closing it and opening a new order in the opposite direction, for ditto.
<b>1 to 9</b>	close opened order or delete pending order which are on rows 1 to 9 in the Trades List. The Trades List must have been sorted in ascending order where the top row has order with lowest ticket number. Only the order with Order Magic Number matching the value of the external input parameter "ExpertID" will be closed or deleted. Note that if a pending position that forms part of a straddle strategy setup (initiated with key "Z") is deleted, then the other pending position is cancelled automatically by the script. To verify that the Trade List is in ascending sort order: click on "Terminal", then click on "Order" (Column 1 heading) until icon <b>▲</b> appears.
<b>J1 to J9</b>	Activate or de-activate a StopLoss for the market order which is on row 1 to 9 in the Trades List. The stop loss level is calculated using the value (in pips) specified for parameter "StopLoss" under Section [Trade Specifications] of the External input parameters file _ManualTrader.txt (or the one that you have edited to suit your style of trading or broker). The Trades List must be sorted in ascending order where the top row has order with lowest ticket number. Only the order with Order Magic Number matching the value of the external input parameter "ExpertID" will be modified. I ran out of appropriate characters to represent the action keys so here I chose the letter "J", imagine the bottom curve of the "J" to be a safety net to hold on to our profits!
<b>T1 to T9</b>	Activate or de-activate a TakeProfit for the market order which is on row 1 to 9 in the Trades List. The take profit level is calculated using the value (in pips) specified for parameter "TakeProfit" under the Section [Trade Specifications] of the External input parameters file _ManualTrader.txt (or the one that you have edited to suit your style of trading or broker). The Trades List must have been sorted in ascending order where the top row has order with lowest ticket number. Only the order with Order Magic Number matching the value of the external input parameter "ExpertID" will be modified.
<b>Esc</b>	Close opened orders and Delete pending orders of all orders with order magic number matching value of the external input parameter "ExpertID".
<b>Esc Esc</b>	Close opened orders and Delete pending orders of ALL ORDERS, including manual orders, known to broker's server AccountServer().
<b>I</b>	display Information about the script and the Symbol or Instrument of the chart which has focus.
<b>F</b>	make a parameter File for the broker's server. Copies the contents of file _ManualTrader.txt to _ManualTraderServerName.txt for the editing of values suitable for your broker. After editing of the input parameters, press Ctrl S to save the edited values. Re-start the script for the new values to be read by the program.
<b>E</b>	Exit the script. Or alternatively, and in cases of severe error, right click on the chart from which the script was launched and click on "Remove script" and repeat click on "Remove script".
<b>Ctrl Tab</b>	Change focus to next chart (if more than one).
<b>V1 to V9</b>	examine extra Values of Order which is on row 1 to 9 of the Trades List, Trades List sorted in ascending order.

**Remember after using another application or program to reset the focus on the script by clicking on a chart, also get in the habit of clicking on the header of a chart before using one of the keyboard action keys.**

**Use this script on a demo account first so as to get used to the keys, try all order types and keys.**

**Using the script on a real live account:**

**To use the script on a real live account proceed as follows:**

**Press key "I" to display information on the script. Make a note of the "Serial number".**

**Access web page [www.sxTed.com](http://www.sxTed.com) and click on "Buy Now" and make the payment to PayPal and type in the "Serial number", an e-mail will be returned with the License number which must be typed in as value for the parameter named "LicenseNumber".**

**Order processing:**

**Pending orders rejected by the server for being too close to the market are converted automatically into market orders.**

**New orders are not placed if the market is volatile, just repeat the action key if desired, when appropriate.**

**If an order while being modified is too close to a volatile market, it is closed or deleted.**

**Trading is prevented after severe warnings on system failure or program logic.**

**Closure of all orders is enforced after error 148 (ERR\_TRADE\_TOO\_MANY\_ORDERS) has been issued before any new order can be placed.**

**Should the \_ManualTrader script not execute after encountering a severe error, consult the "Journal" and the "Experts" log to determine the cause of the error, then hit key F3 to access the list of Global Variables and delete the Global Variables named "\_OpenNewOrders" and "\_Trade".**

**Order processes initiated by a key stroke are alerted when an error occurs, otherwise order modification or server errors are printed to the Experts log (as the script assumes that no one is present).**

**If the connection to the Server is disrupted then the \_ManualTrader script must be re-started manually, MetaTrader 4 re-start's \_ManualTraderE expert once the connection to the server is re-established.**

**A different ExpertID number should be used if running other scripts or expert(s) simultaneously with \_ManualTrader script or \_ManualTraderE expert.**