



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

Contents:

1. Overview of the Internet Trade Mirror.....	2
1.1 Purpose of the Trade Mirror.....	2
1.2 Licence.....	2
2. Installing and running the Internet Trade Mirror.....	3
2.1 Installing the Internet Trade Mirror Receiver.....	3
2.1.1 Proxy server settings.....	3
2.2 Your MT4i account.....	3
2.3 Running the receiver EA.....	4
2.3.1 Multiple copies of the receiver EA.....	4
2.4 Testing the receiver.....	5
2.5 Help and support.....	5
3. How the Internet Trade Mirror works.....	6
3.1 Trade placement and closure.....	6
3.2 Heartbeats.....	6
3.3 Pending orders.....	6
3.4 Lot sizing and risk.....	7
3.5 Broker symbol names and suffixes.....	8
3.6 Market execution.....	9
3.7 Hedging vs. non-hedging.....	9
3.8 Order comments and magic numbers.....	9
3.9 Partial closes.....	9
3.10 Inverting trade direction.....	10
4. EA parameters.....	11
4.1 Receiver EA parameters.....	11
4.2 Variables for use in receiver alert text.....	16
5. Diagnosing problems.....	18
5.1 Error messages.....	18



1. Overview of the Internet Trade Mirror

1.1 Purpose of the Trade Mirror

The Internet Trade Mirror duplicates trades over the internet between copies of MetaTrader 4 running on different computers. A sender places trades in one copy of MT4, and these are replicated almost instantly in receiver copies of MT4.

The Trade Mirror uses the same fundamental copying technology as MT4i's hugely popular [Personal Trade Copier](#).

Receivers can control [lot sizing and risk](#), can restrict the trading to particular symbols, and can even invert the original direction of the sender's trades.

The speed of copying depends almost entirely on network latency, and is therefore principally determined by geographical location and the speed of light. Slippage will usually be minimal – allowing, of course, for any differences in price and spread between the sending and receiving brokers – and slippage can in fact often be positive as well as negative.

1.2 Licence

Unless otherwise specified in writing by MT4i.com, this software is licensed for personal use only. You are not allowed to distribute it to other people, regardless of whether or not money is changing hands.

The software is provided entirely at the user's risk, and you should check it thoroughly before deploying it on computers trading real money. MT4i.com accepts no responsibility whatsoever for any loss of any kind caused by installation or use of the software.

MT4i cannot answer queries about the trading activity of any users who you are mirroring. Please [contact the sender of signals](#) for any support about using the receiver EA to copy their trades.



2. Installing and running the Internet Trade Mirror

2.1 Installing the Internet Trade Mirror Receiver

To install the receiver EA, run the setup program. You can choose one or more copies of MetaTrader 4 where you want to install the EA. If any copies of MT4 are not shown, you can add them to the list using the “Find MT4” button.

MT4 needs to be restarted in order for its Navigator list to update after new EAs are installed.

2.1.1 Proxy server settings

If you connect to the internet using a proxy server, you may need to configure its details. The Internet Trade Mirror uses Microsoft’s WinHttp library. The easiest way to configure proxy server settings for WinHttp is as follows:

- Open the Microsoft Internet Options settings, using the Windows Control Panel or Tools/Options in Internet Explorer
- Use the “LAN settings” button on the “Connections” tab to enter the details of the proxy server
- Run the following command, e.g. by clicking on the Windows Start button and then typing in the command: **proxycfg -u**

2.2 Your MT4i account

In order to receive signals through the Trade Mirror you need an account with MT4i, and the sender must have added your account to their list of subscribers.

You can see which senders have added you as a subscriber using the MT4i website:

- Go to <http://www.mt4i.com/connect/connect.aspx#trademirror>
- Log in to MT4i



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

A sender can remove you from their list of subscribers at any time. If this happens, the receiver EA will no longer manage any open positions from that sender. You can also use the MT4i website to remove yourself from a sender's list of subscribers.

2.3 Running the receiver EA

You open a new chart for any symbol and add the "MT4i – InternetMirror Receiver" EA to the chart, by double-clicking on it in the MT4 Navigator list or dragging it onto the chart.

You need to configure the settings and parameters for the receiver EA as follows:

- The EA's "Allow DLL imports" and "Allow live trading" settings must be turned on. (Please note that "Allow live trading" means "Allow trading by EAs". If you are using a demo account, this MT4 setting does **not** mean "Trade real money".)
- You need to fill in your MT4i username and password as [parameters](#) for the EA. You also need to fill in the sender's MT4i username, as the "Channel" parameter.
- You do **not** need to run multiple copies of the EA on charts for each symbol which is going to be traded. A single copy of the EA will trade all symbols from the sender.
- You **do** need to run a separate copy of the EA for each sender whose trades you want to mirror. A single copy of the EA only mirrors the trades from one sender.

You can also use the receiver EA's parameters to control the risk settings such as [lot sizing](#).

You may also need to make additions to the MT4 Market Watch:

- If your account deposit is not in USD, then the MT4 Market Watch must contain the currency pair for converting to USD. For example, if your deposit currency is GBP or JPY, then the Market Watch must contain GBPUSD or USDJPY.
- Each symbol which is traded by the sender must be included in your Market Watch. For example, if you are going to be receiving trades for EURUSD, GBPUSD, and USDCHF then all these symbols must be included in the Market Watch.

2.3.1 Multiple copies of the receiver EA



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

As explained above, you need to run a separate copy of the receiver EA for each sender whose trades you want to copy.

However, you cannot use the same set of receiver details more than once. If you have multiple copies of the receiver EA using the same Channel and Username parameters, then you will get either [error message #12 or #2005](#).

2.4 Testing the receiver

Shortly after receiving the first tick on its chart, the receiver EA should connect to MT4i's message hub. If the sender's EA is running, then a ["heartbeat" message](#) should be received within 30 seconds, and the receiver EA's status will update. Any trades will then be copied as soon as they are placed by the sender.

If no heartbeat message is received, then it means that the sender's EA is not currently running.

The EA displays its current status in the top-left of the chart. If no status is visible, please make sure that MT4's "Expert Advisors" button is turned on.

Possible error messages are [listed below](#).

2.5 Help and support

For help and support, please contact the sender of the trading signals. MT4i cannot answer queries about a user's trading activity.



3. How the Internet Trade Mirror works

3.1 Trade placement and closure

The sender EA sends a message as soon as it spots that there is a new open order in its copy of MT4. Receiver EAs will then attempt to place the same trade.

The same applies to trade closure. As soon as it spots that a previously open order has been closed, the sender EA tells the receiver EAs to close their trades.

Messages are sent to receivers via MT4i's message hub. The speed of copying depends almost entirely on the latency to the message hub and to your broker. Differences in price between you and the sender can be caused both by the latency in receiving signals and also price and spread differentials between different brokers. You may need to adjust the [AllowSlippagePips parameter](#) in order to trade successfully, or even to turn on [TradeAllOrdersAtMarket](#).

3.2 Heartbeats

The sender EA sends a periodic "heartbeat" message, every 30 seconds by default. This states which orders should still be open. If the receiver EA misses a trade-closure instruction, e.g. because its copy of MT4 is not running at the time, then it should close the order when it next receives a heartbeat from the sender.

Changes to a trade's s/l or t/p are also sent in the heartbeat message. Therefore, there may be a delay of up to 30 seconds between the s/l or t/p changing in the sender's copy of MT4 and the receiver EA making the change. However, if the trade is closed out on the sender within those 30 seconds because the s/l or t/p is hit, that should lead to an immediate close instruction being sent to the receiver.

Changes to the entry price on a [pending order](#) are also sent in the heartbeat, and therefore updated within 30 seconds.

3.3 Pending orders

By default the sender EA does **not send pending orders**. It only sends a message to receivers once a pending order is filled and turns into a buy or sell order.



Copying pending orders is potentially very dangerous. Let's say that the sender is trading the breakout of yesterday's range, and has a buy-stop at yesterday's high. This could get triggered on a receiver without being triggered on the sender, because of slight price differences between the two accounts. If the price then retraces, the sending copy of MT4 will be unaware that the receiver has a trade which needs to be managed, but the receiver will have an ever-increasing loss and will not be receiving any instructions to close the position.

However, the sender EA can be configured to send pending orders by turning on the optional [IncludePendingOrders](#) parameter.

Receivers can then use the [RequireSenderFillWithinMinutes](#) parameter to limit the risk at their end. If the receiver's order is filled, but the sender's order remains pending, then the receiver can be configured to close its order after this number of minutes (ignored if zero).

3.4 Lot sizing and risk

Receivers can use any of five modes for determining what lot sizes to trade:

- Fixed lot size. The receiver always uses a fixed size (the [UseFixedLotSize](#) parameter) regardless of the sender's lot size.
- Risk-based. The receiver adjusts the lot size based on the relative equity of the two accounts. For example, if the sender's equity is \$2000 and the receiver's equity is \$4000, and [UseRiskFactor](#) is set to 1.5, then the receiver will trade three times the lot size of the sender – i.e. $4000 / 2000 \times 1.5 = 3$.
- Multiple. The receiver trades a multiple of the sender's lot size (regardless of the equity on each account). For example, if [LotSizeMultiplier](#) is set to 2, then the receiver will trade double the sender's lot size.
- Equity-based lot-sizing. The receiver ignores the sender's lot size, and instead uses a value based solely on the receiver's account equity.
- Balance-based lot-sizing. As above, except that the account balance is used instead of account equity.



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

These settings are in order of priority. If UseFixedLotSize is non-zero, then the receiver will use a fixed lot size. Or if UseRiskFactor is non-zero, then it will use equity-based sizing. Or if LotSizeMultiplier is non-zero, then the receiver will trade a simple multiple of the sender's lot size. Or if EquityPerLot is non-zero, then the receiver will trade a lot size based on its account equity, ignoring the sender's lot size. And if all these are zero, then the receiver will trade a lot size based on its account balance using BalancePerLot.

The default setting is risk-based lot sizing (with UseRiskFactor = 1). The receiver will trade the equivalent of the sender's lot size given the different equity on the two accounts.

The receiver has options for overriding the sender's s/l and t/p with a maximum value in order to limit risk, and has a [StopTradingBelowEquity](#) setting which can be used to terminate all copying activity if the equity on the account becomes dangerously low. It also has [MaxOpenOrders_Total](#) and [MaxOpenOrders_FromCopier](#) settings for controlling the number of concurrent open orders.

3.5 Broker symbol names and suffixes

Some MT4 brokers use different suffixes for the same symbol. For example, some brokers may refer to EURUSD as EURUSDFXF, EURUSDcx, EURUSDi, EURUSDm etc.

The sender and receiver should automatically adjust between different symbol names on different brokers. If the receiver is unable to place a trade then it is probably because the symbol is [not in its Market Watch](#). (The receiver EA does have a [ForexSymbolSuffix](#) parameter, but the receiver will auto-detect this if the parameter is left blank.)

Some non-forex symbols need special mapping. For example, most MT4 brokers refer to spot gold as XAUUSD, but there are a few brokers who use a different symbol name such as GOLD. You can use the receiver EA's [CustomSymbolMappings](#) parameter to translate any such symbols. For example, if the sending account's broker uses GOLD and the receiving account's broker uses XAUUSD, then you would enter GOLD=XAUUSD in the CustomSymbolMappings parameter.



3.6 Market execution

Some brokers use “market execution” where an s/l or t/p has to be placed separately from a buy or sell order. The receiver caters for this by always placing the trade first, and then setting any s/l and t/p afterwards. By default, the [CloseOrdersImmediatelyIfSLFails](#) parameter will mean that trades are immediately closed if the order placement succeeds but the s/l or t/p then fails.

3.7 Hedging vs. non-hedging

At the moment the Trade Mirror does not convert between hedging and non-hedging accounts. If a receiver is running on a broker which does not allow hedging, then trades will fail if the messages coming from the sender break the hedging rules.

3.8 Order comments and magic numbers

The Trade Mirror uses order comments to track orders on the receiver. Therefore, it does not duplicate the original order comment from the sending copy of MT4.

The receiver also uses an order’s magic number to identify which orders belong to it, versus which orders are from manual trading or other EAs running on the account. Therefore, magic numbers are also not copied from the sender account.

The receiver EA uses the same magic number for all orders which it processes. By default, it automatically selects a magic number based on the channel name. Receivers can choose their own magic number by setting the MagicNumber parameter in the receiver EA to something other than zero.

3.9 Partial closes

The sender and receiver are capable of handling partial closes.



3.10 Inverting trade direction

The receiver can be configured to invert the sender's trade direction, turning buys into sells and vice versa. (This feature has been included at user request; we are not aware of any loss-making trading system which can be made profitable by inverting it.)

In order to use this feature you need to turn on the receiver EA's InvertTrades parameter, and you will also need to do one of the following:

- Turn on the TradeAllOrdersAtMarket parameter. This means that the receiver ignores the sender's entry price (because e.g. the sender is buying at the ask price whereas the receiver will be selling at the bid price).
- Increase the AllowSlippagePips parameter, to cater for the fact that the difference between the sender's entry price and the receiver's entry price will be at least the size of the spread.



4. EA parameters

4.1 Receiver EA parameters

Server settings	
Channel	The MT4i username of the sender whose trades you are copying
Username	Your MT4i username
Password	Your MT4i password
Local settings	
ForexSymbolSuffix	Any suffix used by the broker for forex symbols. If left blank, the EA should automatically detect any suffix which its broker uses. (For example, if the broker refers to EURUSD as EURUSDcx, then this parameter can be manually set to cx – though this should not be necessary.)
FuturesSymbol	Symbol used by the broker as a prefix for futures. Can be ignored if you do not intend to trade/broadcast futures. The prefix is typically # for the small number of MT4 brokers who offer futures.
CustomSymbolMappings	A comma-separated list of symbols which need special mapping between the broadcaster and receiver accounts. For example, GOLD=XAUUSD,CRUDE_OIL=OIL will convert broadcaster trades for GOLD into receiver trades for XAUUSD, and broadcaster trades for CRUDE_OIL into receiver trades for OIL. If the receiving broker uses a suffix such as cx, then this does need to be included in the mapping: e.g. GOLD=XAUUSDcx.
Accept/reject signals	
IgnoreNewEntrySignals	If turned on, the EA ignores all new trade entry signals coming in from the sender – can be used to prevent the EA opening new trades, while continuing to manage existing ones.
IgnoreAllExitSignals	If turned on, the EA ignores all exit signals coming in from the sender – can be used if you want to manually control when trades should be closed.
IgnoreExitSignalsForTicketIds	If not blank, a comma-separated list of ticket IDs (on the receiver, not the sender) which should not be managed by the



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

	Trade Mirror. Allows some but not all trades to be controlled manually.
Order management	
TradeAllOrdersAtMarket	If turned on, the receiver always buys/sells at its current market price, regardless of any difference between that and the sender's price. If this setting is turned on, the following three settings become redundant and are ignored.
AllowSlippagePips	Determines how close the receiver's price needs to be to the sender's entry price for a signal to be allowed. For example, if the sender buys GBPUSD at 1.34235, and AllowSlippagePips is set to 2.0, then the receiver will trade the signal provided that its current ask price is not above 1.34255. (This setting is ignored if TradeAllOrdersAtMarket is turned on.)
PlaceLimitOrderIfSlipped	If the receiver's price is beyond the AllowSlippagePips threshold, then this parameter specifies whether the receiver should try to place a limit order – i.e. wait for the price to return to the sender's entry level. (This setting is ignored if TradeAllOrdersAtMarket is turned on.)
LimitOrderExpirationMinutes	Only used if PlaceLimitOrderIfSlipped is turned on. Determines how long the limit order is valid for – i.e. how quickly the price needs to return to the sender's entry level before discarding the signal. Please note that some brokers have minimum expiry periods (e.g. either no expiry, or not less than 15 minutes away). Orders will fail (usually with MT4 error #3) if this setting is too low.
RequireSignalWithinSeconds	Ignores orders if the delay between transmission by the sender and receipt by the receiver exceeds this number of seconds.
PermittedSymbols	If not blank, trades from the sender are ignored unless they are for symbols on this comma-separated list. This must exactly match the broker's names on the receiver account, including upper/lower case such as EURUSDfx,GBPUSDfx
BuySellOnly	If non-zero, restricts the direction in which the copier will place trades. A value of 1 means that the receiver will only place buy orders; a value of 2 means that the receiver will only place sell orders. (Zero means that all orders are accepted.)



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

CloseOrdersImmediatelyIfSLFails	The receiver places trades immediately, and then amends them to set any stop-loss or take-profit which is required. The latter step can potentially fail, leaving a trade in the market which has no stop-loss. This setting determines whether, as a precautionary measure, trades should be closed immediately if the broker declines the stop-loss on them.
OrderRetries	If placing a market order, the number of times the order is retried if the broker declines it.
MirrorSLandTPChanges	If turned on, the receiver copies any changes to the s/l and t/p on each order. These changes are issued via the periodic heartbeat messages. Unlike order opening and closure, changes to the s/l and t/p on the sender do not lead to immediate action by the receiver. Also controls whether changes to the entry price on pending orders are copied.
RequireSenderFillWithinMinutes	If a pending order is filled on the receiver, but remains unfilled on the sender, then the receiver closes it in this number of minutes if it remains unfilled on the sender. This parameter is ignored if less than or equal to zero.
MagicNumber	A magic number to be used by the sender to keep track of its trades. If this is left at zero, the EA automatically picks a unique magic number based on the channel name. Each receiver EA running in a copy of MT4 must use a different magic number.
InvertTrades	If turned on, the direction of the broadcaster's trade is inverted, with a buy becoming a sell etc
Lot sizing	
(Lot sizing can also be changed using the settings in the sender EA)	
UseFixedLotSize	If not zero, the receiver uses this fixed lot size instead of the value specified by the sender. Overrides UseRiskFactor and UseLotSizeMultiplier.
UseRiskFactor	If not zero, tells the receiver to trade a multiple of the sender's lot size based on the receiver's equity versus the sender's equity. For example, if the sender's equity is \$1000 and the receiver's equity is \$2000, and UseRiskFactor is set to 1, then the receiver will trade double the lot size of the sender. Overrides UseLotSizeMultiplier.



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

UseLotSizeMultiplier	Ignored if either UseFixedLotSize or UseRiskFactor are turned on (i.e. non-zero). Otherwise, modifies the lot size received from the sender so that the receiver uses this multiple of the broadcast size, e.g. 0.1 to trade one-tenth of the original lot size.
EquityPerLot	Ignored if UseFixedLotSize, UseRiskFactor, or UseLotSizeMultiplier are turned on (i.e. non-zero). Otherwise, calculates the lot size based on the receiver's equity, ignoring the sender's lot size. For example, if the receiver's account equity is \$4,800, and EquityPerLot is \$10,000, then the receiver will trade 0.48 lots.
BalancePerLot	Ignored if UseFixedLotSize, UseRiskFactor, UseLotSizeMultiplier, or EquityPerLot are turned on (i.e. non-zero). Otherwise, calculates the lot size based on the receiver's balance, ignoring the sender's lot size. For example, if the receiver's account balance is \$3,200, and BalancePerLot is \$10,000, then the receiver will trade 0.32 lots.
MaxLots	Ignored if UseFixedLotSize is turned on (i.e. non-zero). Only used in order to ensure that variable lot sizes (UseRiskFactor or UseLotSizeMultiplier) do not lead to a dangerously large value.
MinLots	Ignored if UseFixedLotSize is turned on (i.e. non-zero). Only used in order to ensure that variable lot sizes (UseRiskFactor or UseLotSizeMultiplier) do not lead to a dangerously large value.
RoundUpToBrokerMinimum	Ignored if UseFixedLotSize is turned on (i.e. non-zero). Otherwise, determines what to do if the lot size falls below the minimum from the receiver's broker – for example, the broker has a minimum of 0.1 lots; the sender specifies 0.1 lots; and the receiver has UseLotSizeMultiplier set to 0.5; leading to a size of 0.05 lots. If RoundUpToBrokerMinimum is turned on then the receiver will take the trade and use the broker's minimum lot size. If this setting is turned off, then the receiver will ignore the trade.
S/L and T/P	
MaxSLPips	If non-zero, signals are amended so that the stop-loss on trades is never larger than this number of pips. If the sender does not specify a stop-loss then this number of pips will be used.



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

MaxCashRiskPerTrade	If non-zero, trades from the sender are ignored if the potential loss is larger than this amount (in the receiver's deposit currency), based on the lot size and stop-loss. Trades will be ignored if the sender does not specify a stop-loss and the receiver does not have MaxSLPips turned on (because loss is potentially unlimited). Please note that this risk is calculated using the tick-value at the time of trade placement, and this can then vary while the trade is active. The risk calculation also does not include any slippage compared to the sender's entry price.
MaxTPPips	If non-zero, signals are amended so that the take-profit on trades is never larger than this number of pips. If the sender does not specify a take-profit then this number of pips will be used.
Account management	
StopTradingBelowEquity	If turned on (greater than zero), the EA stops taking new signals and attempts to close all its existing orders if the account's equity falls below this cash value. The EA does not close any orders which it is not responsible for – i.e. from other EAs or from manual trading.
StopTradingAtDrawdownPercent	If turned on (less than zero), the EA stops taking new signals and attempts to close all its existing orders if floating P/L falls below the specified percentage of balance. The percentage must be entered as a negative number. For example, if the value were set to -40, then the EA would terminate if e.g. account profit fell below \$-800 on a \$2000 balance. The EA does not close any orders which it is not responsible for – i.e. from other EAs or from manual trading.
MaxOpenOrders_Total	If non-zero, stops the EA taking new signals if the number of open/pending orders would exceed this value. For example, setting this parameter to 1 will stop the EA trading if there is already any open or pending order. The count includes all orders on the account, from any source, not just those created by the copier.
MaxOpenOrders_FromCopier	As above, but the count only includes orders placed by the receiver EA. There can be any number of orders from other EAs



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

	or from manual trading.
Alerts and notifications	
NewOrders_AlertOnScreen	If turned on, the EA displays an alert on screen about each new trade which it opens
NewOrders_AlertByEmail	If turned on, the EA sends an email about each new trade which it opens (using the MT4 settings in Tools/Options/Email)
ClosedOrders_AlertOnScreen	If turned on, the EA displays an alert on screen about each trade which it closes
ClosedOrders_AlertByEmail	If turned on, the EA sends an email about each trade which it closes (using the MT4 settings in Tools/Options/Email)
RejectedOrders_AlertOnScreen	If turned on, the EA displays a message on screen about each order which it chooses not to trade (e.g. because the lot size is too large/small). Please note that there is currently no setting for sending these messages by email.
Problems_AlertByEmail	Any problems requiring user attention are always displayed on screen. This setting determines whether the messages are also sent by email (using the MT4 settings in Tools/Options/Email)
Alert text (see below for variables)	
OrderOpen_ScreenAlertText	Text to display in relation to NewOrders_AlertOnScreen
OrderOpen_EmailSubjectLine	Subject line for emails sent by NewOrders_AlertByEmail
OrderOpen_EmailBody	Body text for emails sent by NewOrders_AlertByEmail
OrderClose_ScreenAlertText	Text to display in relation to ClosedOrders_AlertOnScreen
OrderClose_EmailSubjectLine	Subject line for emails sent by ClosedOrders_AlertByEmail
OrderClose_EmailBody	Body text for emails sent by ClosedOrders_AlertByEmail

4.2 Variables for use in receiver alert text

You can control the text which is displayed by the receiver on screen or sent by email. The following variables can be used in the alert text parameters such as OrderOpen_ScreenAlertText:

Variable	Description
{CHANNEL}	The name of the channel which the EA is receiving messages on
{ACC}	MT4 broker account number
{TICKET}	Broker ticket number of the receiver's order
{SYMBOL}	Symbol of the receiver's order



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

{LOTS}	Lot size of the receiver's order
{OPENTIME}	Open time of the receiver's order (broker time, not local or UTC)
{OPENPRICE}	Open price of the receiver's order
{CLOSETIME}	Close time of the receiver's order (broker time, not local or UTC)
{CLOSEPRICE}	Close price of the receiver's order (zero on open orders)
{BUYSELL}	"Buy" or "Sell" depending on the direction of the receiver's order
{CLOSEORDELETE}	If an order is being cancelled, "closed" or "deleted" depending on whether the Trade Mirror is closing an open order or deleting a pending order
{PNL}	Profit/loss on the receiver's order (excluding swap and commission)
{SWAP}	Swap value on the receiver's order
{COMM}	Commission on the receiver's order (a negative number for commission charged)
{TOTALPNL}	Total profit/loss on the receiver's order: {PNL} plus {SWAP} plus {COMM}
{COMMENT}	The comment text assigned to the receiver's order
{POSITIONID}	The sender's ID for the signal
{MAGIC}	The magic number assigned to the receiver's order – the MagicNumber parameter for the EA
{SL}	The stop-loss price on the receiver's order (zero if none)
{TP}	The take-profit price on the receiver's order (zero if none)
{LOCALTIME}	The receiver's local time, according to the computer's clock
{BROKERTIME}	The broker's latest reported time
{CURR}	The receiver's deposit currency symbol
{BALANCE}	The receiver's account balance
{EQUITY}	The receiver's account equity
{FREEMARGIN}	The receiver's free margin
{MARGININUSE}	The receiver's margin usage
{COMPANY}	The broker's company name
{TERMINALPATH}	The location of the MT4 installation – e.g. C:\Program Files\MyBroker
{CRLF}	Inserts a new line, for use in emails



5. Diagnosing problems

The sender and receiver EAs create comprehensive logs of their activity, both in MT4's "Experts" log and also in their own private log files in the experts\files directory of MT4.

If no trades are copied...

- Check that the sender and receiver EAs are both running.
- Check that the MT4 "Expert Advisors" button is turned on in both copies of MT4.
- Check that both EAs are displaying a status notification in the top-left of their charts, and that the heartbeat time is periodically changing on both charts.
- Check that both copies of MT4 have a connection to their brokers, and are receiving ticks.
- Check that the "Allow DLL imports" setting is turned on for both the sender and receiver EA.
- Check that the "Allow live trading" setting is turned on for the receiver EA.
- Check that the symbols being traded are included in the Market Watch in the receiving copy of MT4.
- Check the log files for error messages.

If trades are instantly closed on the receiver...

- Check that there is only one EA sending messages using the MT4i account.

5.1 Error messages

The following list shows possible error messages from the EAs, and whether each message can apply to senders or receivers (or both).

Error #	Sender	Receiver	Meaning
1	Y	Y	Microsoft WinHttp error. Either the Microsoft WinHttp library is missing or damaged, or the computer is critically low on resources such as free memory
2 - 4	Y	Y	Failed to connect to the MT4i message hub – check your internet connection and proxy server settings
5 – 11	Y	Y	No response from the MT4i message hub – check the reliability



MT4i Internet Trade Mirror - Receiver

www.mt4i.com

			of your internet connection
12	N	Y	You are already using the same receiver details in another copy of the receiver EA
13 – 14	Y	Y	Corrupt response from the MT4i message hub – check the reliability of your internet connection
1002	Y	N	Your MT4i account is inactive, and is no longer allowed to send messages through the Trade Mirror
1003	Y	N	You have not set up any subscribers
1004	Y	N	Your MT4i account is configured to receive signals from one or more users, and cannot also be used as a sending account
1005	N	Y	Your MT4i account is inactive, and is no longer allowed to receive messages through the Trade Mirror
2000	Y	Y	The copy of the sender/receiver EA is out of date – you need a new version of the software
2002	N	Y	Your MT4i account has not been set up as a subscriber for the specified sender (or has been removed from the subscriber list)
2003	Y	Y	Incorrect MT4i password
2004	N	Y	There are too many users already connected to the sender's trades
2005	N	Y	Your MT4i account is already being used on another computer to receive trades from this sender
2006	Y	Y	Your computer has been blacklisted because of abuse
2007	Y	Y	The sender's MT4i account has been disabled from using the Trade Mirror