BH TRADE COPIER

User Guide · v1.03

MT4 and MT5 trade copier for prop traders

Millisecond copying · lot size and drawdown limits per account

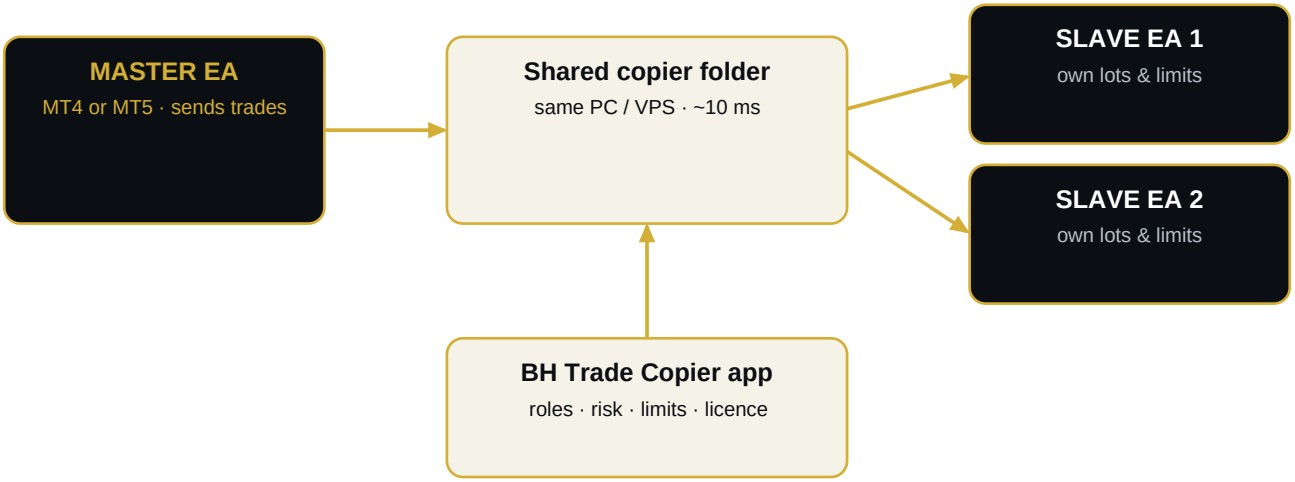
Automatic terminal discovery and symbol matching

BH Technical Solutions

bhtechnicalsolutions.co.uk

What it does

BH Trade Copier copies trades from one **master** account to any number of **slave** accounts on the same Windows PC or VPS - MT5 to MT5, MT4 to MT4, and across the two. Every slave has its own lot size, its own drawdown limits and its own symbol names, so one strategy can run on a prop challenge, a funded account and a personal account at the same time, each sized and protected correctly.



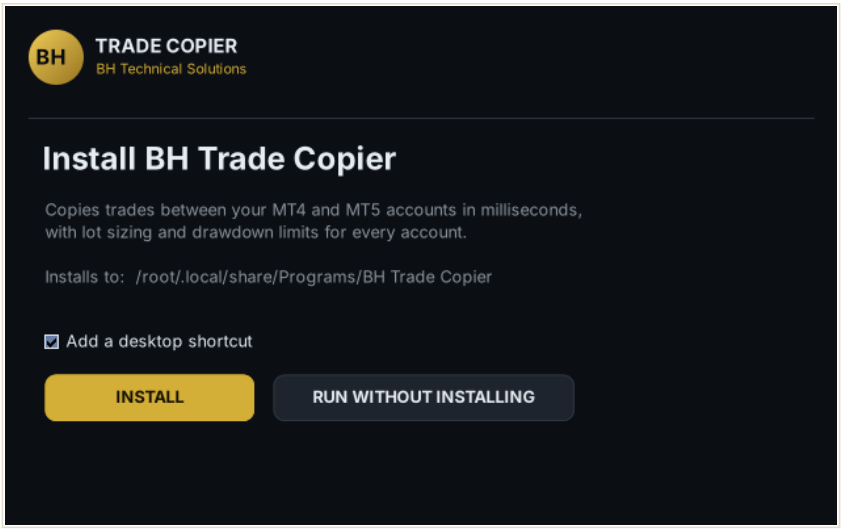
Feature	What you get
Fast copying	The master EA publishes every change the moment it happens; slaves check every 10 ms. Opens, closes, partial closes and SL/TP moves are all copied.
MT4 + MT5	One EA for both platforms. Copy MT5 to MT4, MT4 to MT5, or any mix.
Finds your terminals	The app finds every MetaTrader terminal on the PC (normal and portable installs) and installs the EA into each one for you.
Lot sizing per account	Same as master, multiplier, fixed lot, scale by account size, or risk % of equity per trade.
Drawdown limits per account	Daily and maximum drawdown (static or trailing), profit target lock, day-reset hour. Breach = copied trades closed and copying paused.
Symbol matching	XAUUSD, XAUUSD.r, XAUUSDm, GOLD and the common index/oil names are matched automatically. Add a map line only for unusual names.
Shadow mode	Test a new slave with everything logged and nothing traded.
Dashboard + activity log	Live equity, P/L and drawdown for every account, plus a log of every copy with its speed.

Before you start

Need	Detail
Windows 10 or 11 (PC or VPS)	The master and all slaves must run on the same machine. A Windows VPS is ideal - it stays on 24/5.
MetaTrader 4 and/or 5	Any broker or prop firm. One terminal per account (each terminal logged in to one account).
Algo Trading switched on	MT5: the Algo Trading button on the toolbar. MT4: the AutoTrading button, and "Allow live trading" when attaching the EA.
MT5 slaves: hedging accounts	Almost every forex and prop account is hedging. Netting accounts are detected and shown with a warning.
Prop firm rules	Most firms allow copying between your own accounts; some limit it. Check your firm's rules before copying onto a challenge.

1. Install the app

1. Double-click **BH Trade Copier Setup.exe** and press **Install**. No admin rights are needed. A desktop and Start-menu shortcut are added.
2. The app opens and searches the PC for every MT4 and MT5 terminal. It installs the copier EA into each one automatically (see the **Terminals** page).
3. If Windows SmartScreen shows "Windows protected your PC", choose **More info > Run anyway**.



Tip To remove it later use Windows Settings > Apps > BH Trade Copier > Uninstall.

2. Attach the EA in every terminal

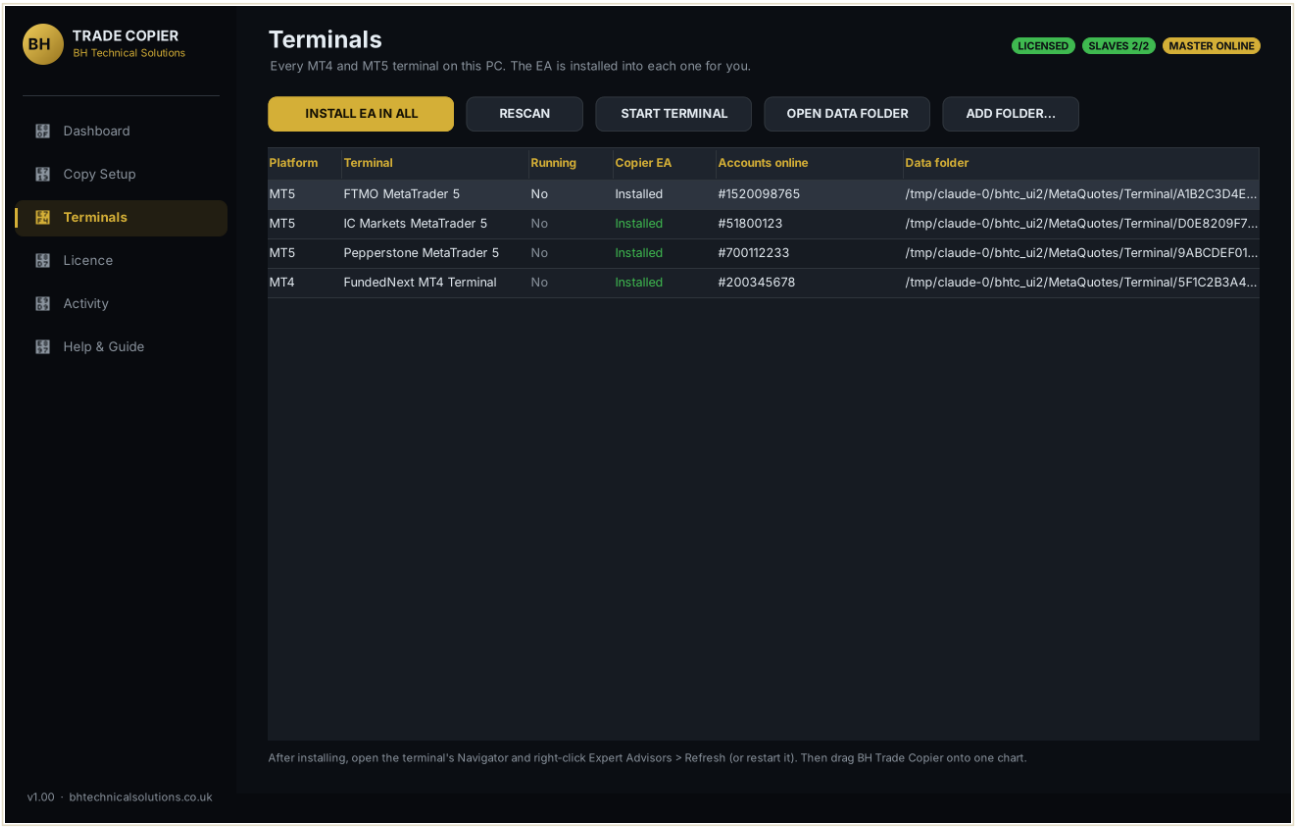
Do this once per terminal - the master terminal and every slave terminal. MetaTrader remembers it after a restart.

1. In the terminal open **Navigator** (Ctrl+N). Right-click **Expert Advisors** and choose **Refresh**.
2. Open **Expert Advisors > BH Technical Solutions** and drag **BH Trade Copier** onto **one** chart. Any symbol and timeframe - it copies every symbol.
3. Tick **Allow Algo Trading** (MT4: **Allow live trading**) and press OK.
4. Make sure the toolbar **Algo Trading** / **AutoTrading** button is on (green).
5. A small gold panel appears on the chart. The account now shows on the app's Dashboard within a second.

> **Important** Attach it to only ONE chart per terminal. Two copies of the EA in the same account would copy each trade twice.

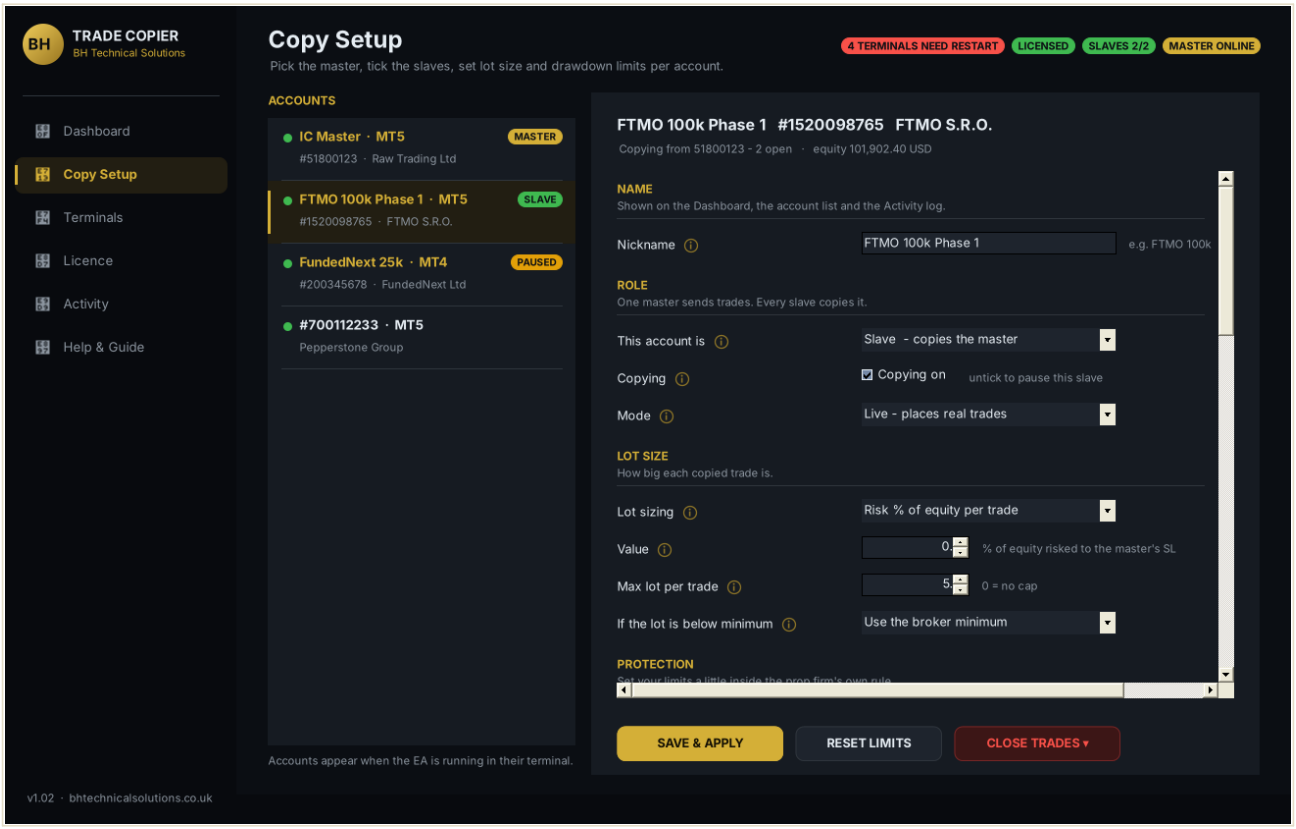
Terminals page

Shows every terminal found, whether it is running, whether the EA is installed and which account is online. **Install EA in all** re-copies the EA (use it after an update). **Add folder** lets you point at terminals kept in a custom folder.



3. Choose the master and the slaves

1. Open **Copy Setup**. Every account with the EA running is listed on the left.
2. Select the account that should send trades and set **This account is: Master**. Press **Save & Apply**.
3. Select each account that should copy, set **Slave**, choose its lot size and limits, press **Save & Apply**.
4. Optional: give each account a **Nickname** (e.g. FTMO 100k Phase 1). It shows on the Dashboard, the account list and the Activity log.
5. Done. Changes reach the EAs within half a second - no restarts.



Hover help Not sure what a setting does? Hover the small gold **i** next to it (or the setting itself) for a short explanation. Every button has hover help too.

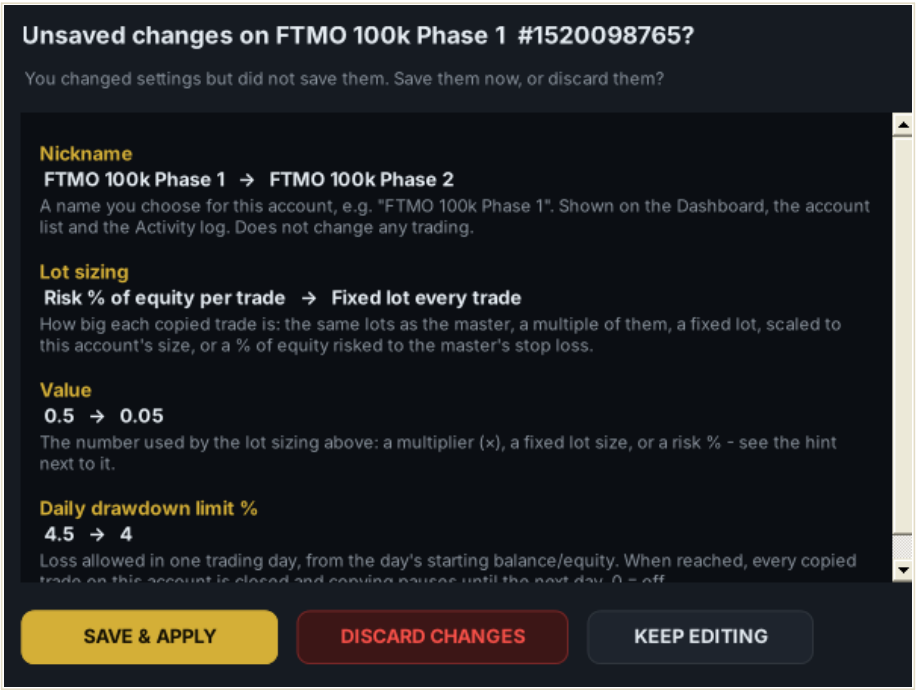
Tip Start every new slave in **Shadow** mode for a day. The Activity page shows exactly what it would have done, with no real trades. Then switch Mode to Live.

Saving changes

Changed something? The line above the buttons shows how many changes are not saved yet. **Save & Apply** first shows a summary: each setting, its old and new value and what it does. Choose:

- **Save & Apply** - the account uses the new settings within half a second.
- **Discard changes** - puts every setting back as it was.
- **Keep editing** - go back without saving.

If you leave Copy Setup, pick another account or close the app with unsaved changes, the same summary appears - nothing is saved or lost by accident. Every saved change is written to the Activity log (Show: **Settings, limits and commands**), so you always have a record of who changed what and when.



Lot size

Choose one per slave. All lots are rounded to the broker's lot step and kept within its minimum and maximum. **Max lot per trade** caps any mode.

Mode	Value means	Example (master 1.00 lot, master equity 50,000)
Same lots as master	not used	1.00 lot. Adjusted automatically if the brokers use different contract sizes (e.g. 100 oz vs 1 oz gold).
Multiply master lots	multiplier	Value 0.5 = 0.50 lot. Value 2 = 2.00 lots.
Fixed lot every trade	lots	Value 0.20 = every copy is 0.20 lot, whatever the master trades.
Scale by account size (recommended)	multiplier on the ratio	Slave equity 100,000 = 2.00 lots; 25,000 = 0.50 lot. Value 1 keeps the same % risk as the master.
Risk % of equity per trade	% of equity	Value 0.5 on a 100,000 account risks 500 to the master's stop loss. If the master trade has no SL the copier waits up to 1.5 s for it, then falls back to scale-by-size.

If the lot is below minimum: "Use the broker minimum" opens the minimum lot; "Skip the trade" does not copy it.

Protection (drawdown limits)

Every slave watches its own equity every 10 ms. Limits are percentages.

Setting	What happens
Daily drawdown limit %	Measured from the higher of balance or equity at the start of the trading day. When hit: every copied trade on that account is closed and copying pauses until the next day.
Max drawdown limit %	Static = from the start balance. Trailing = from the highest equity reached. When hit: copied trades closed and the account stays locked until you press **Reset limits**.
Start balance	The account size the limits use (e.g. 100,000 for a 100k challenge). 0 = the balance when copying first started.
Profit target %	Locks a passed challenge: when equity reaches start balance + target, copied trades are closed and copying stops.
Day resets at (server hour)	The broker-server hour your prop firm starts a new day. 0 for most firms.

Quick preset	Daily	Max	Type
Prop 2-step (5% daily / 10% max)	4.5%	9.5%	Static
Prop 1-step (4% daily / 6% trailing)	3.5%	5.5%	Trailing
Instant funding (3% daily / 6% trailing)	2.5%	5.5%	Trailing
Personal account	off	off	-

Why a buffer? Presets sit 0.5% inside the firm's rule because closing takes a moment and markets can gap. Always check your own firm's exact rules.

Trade options

Option	Meaning
Copy stop loss / take profit	Copies the master's SL/TP and follows every change. Untick to manage SL/TP yourself on that account.
Reverse trades	Buy becomes sell; the master's SL becomes the TP and the TP becomes the SL.
Copy trades already open	Off (default): only trades the master opens after copying starts are copied. On: trades already open are copied too.
Max price difference (points)	Skips a copy if the price has moved more than this from the master's entry. 0 = off.
Trade comment	Copies are marked "BHC#ticket". Blank = no comment on copied trades.
Magic number	Identifies the copier's trades on the slave. Change it only if another EA on that account uses 7770777.
Only copy master magic	Copy only the trades of one EA on the master (its magic number). 0 = copy everything.

What gets copied

- **New trades** - market buys and sells (pending orders are copied when they fill).
- **Closes** - when the master closes, every copy closes.
- **Partial closes** - the copy is reduced by the same proportion.
- **SL / TP changes** - followed within a second, including break-even and trailing moves.
- A copy you close yourself, or that hits its own SL/TP, is never re-opened.

Symbols

Each broker names symbols differently. The copier matches them automatically in this order:

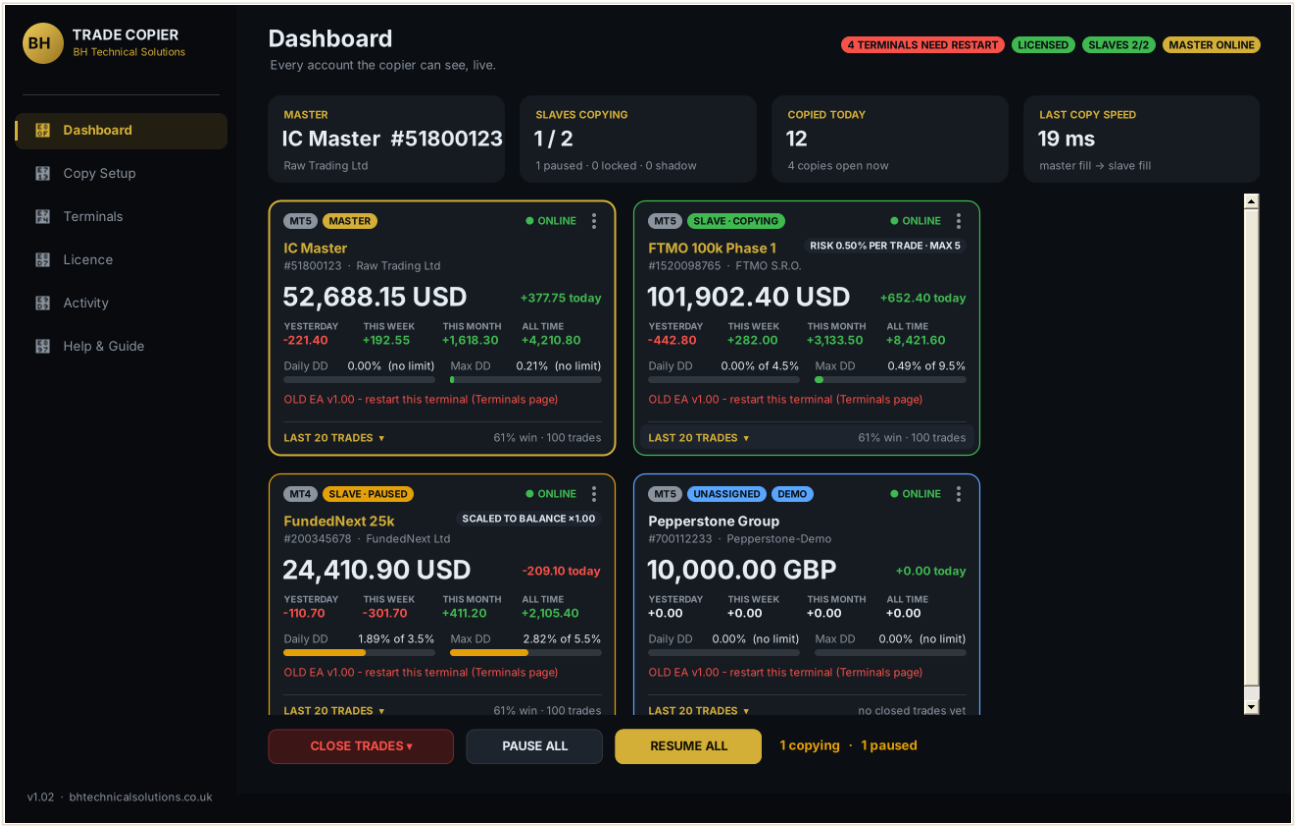
1. Your **symbol map** (e.g. `XAUUSD=GOLD.i; US30=DJ30`).
2. The exact same name.
3. Your broker **prefix / suffix**, if set.
4. The same instrument with any suffix: XAUUSD = XAUUSD.r = XAUUSDm = XAUUSD+ (tradable Market Watch symbols preferred).
5. Known aliases: GOLD/XAUUSD, SILVER/XAGUSD, US30/DJ30/WS30, NAS100/USTEC/US100, SPX500/US500, GER40/DE40/DAX40, UK100/FTSE100, USOIL/WTI/XTIUSD, UKOIL/BRENT, BTCUSD/BITCOIN and more.

Press **Check symbol matches** in Copy Setup to see how every master symbol maps on the selected slave before you go live. **Never copy** lists symbols to leave out.

Dashboard

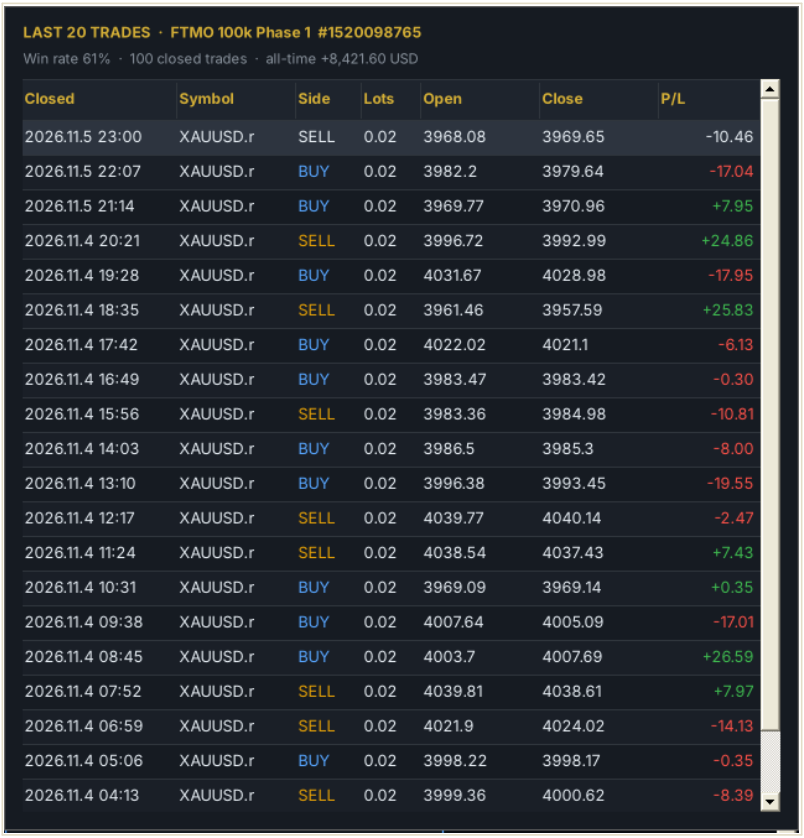
One card per account (master included): platform, role, live equity and today's P/L, then yesterday, this week, this month and all-time results, daily and max drawdown against your limits (green, amber, red), win rate and the speed of the last copy. Click a card to open its settings.

The P/L figures come from each account's own trade history (closed trades plus what is open now), so they stay right after a restart. Today starts at the day-reset hour set for that account (broker server time).



Last 20 trades

Click **LAST 20 TRADES** at the bottom of any card for that account's most recent closed trades: time, symbol, side, lots, open and close price and P/L.



LAST 20 TRADES · FTMO 100k Phase 1 #1520098765

Win rate 61% · 100 closed trades · all-time +8,421.60 USD

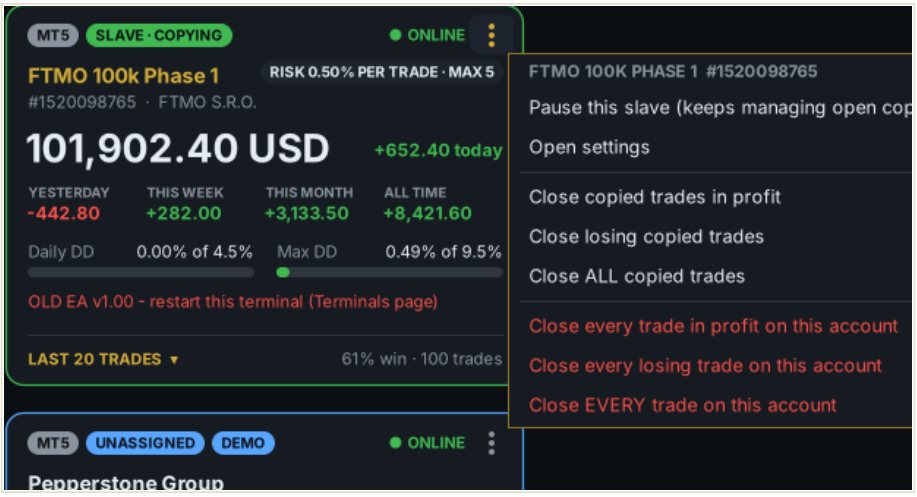
Closed	Symbol	Side	Lots	Open	Close	P/L
2026.11.5 23:00	XAUUSD.r	SELL	0.02	3968.08	3969.65	-10.46
2026.11.5 22:07	XAUUSD.r	BUY	0.02	3982.2	3979.64	-17.04
2026.11.5 21:14	XAUUSD.r	BUY	0.02	3969.77	3970.96	+7.95
2026.11.4 20:21	XAUUSD.r	SELL	0.02	3996.72	3992.99	+24.86
2026.11.4 19:28	XAUUSD.r	BUY	0.02	4031.67	4028.98	-17.95
2026.11.4 18:35	XAUUSD.r	SELL	0.02	3961.46	3957.59	+25.83
2026.11.4 17:42	XAUUSD.r	BUY	0.02	4022.02	4021.1	-6.13
2026.11.4 16:49	XAUUSD.r	BUY	0.02	3983.47	3983.42	-0.30
2026.11.4 15:56	XAUUSD.r	SELL	0.02	3983.36	3984.98	-10.81
2026.11.4 14:03	XAUUSD.r	BUY	0.02	3986.5	3985.3	-8.00
2026.11.4 13:10	XAUUSD.r	BUY	0.02	3996.38	3993.45	-19.55
2026.11.4 12:17	XAUUSD.r	SELL	0.02	4039.77	4040.14	-2.47
2026.11.4 11:24	XAUUSD.r	SELL	0.02	4038.54	4037.43	+7.43
2026.11.4 10:31	XAUUSD.r	BUY	0.02	3969.09	3969.14	+0.35
2026.11.4 09:38	XAUUSD.r	BUY	0.02	4007.64	4005.09	-17.01
2026.11.4 08:45	XAUUSD.r	BUY	0.02	4003.7	4007.69	+26.59
2026.11.4 07:52	XAUUSD.r	SELL	0.02	4039.81	4038.61	+7.97
2026.11.4 06:59	XAUUSD.r	SELL	0.02	4021.9	4024.02	-14.13
2026.11.4 05:06	XAUUSD.r	BUY	0.02	3998.22	3998.17	-0.35
2026.11.4 04:13	XAUUSD.r	SELL	0.02	3999.36	4000.62	-8.39

What a slave card tells you

Shows	Meaning
SLAVE · COPYING (green)	Copying every new master trade.
SLAVE · PAUSED (amber)	Not taking new trades. Copies already open still follow the master's closes, partial closes and SL/TP moves.
SLAVE · SHADOW (blue)	Logs what it would do, places no trades.
SLAVE · LOCKED (red)	A drawdown limit or the profit target was reached; its copies were closed.
Lot pill, e.g. RISK 0.50% PER TRADE	How this slave sizes trades: SAME LOTS AS MASTER, MASTER LOTS ×0.50, FIXED 0.05 LOTS, SCALED TO BALANCE ×1.00 or RISK 0.50% PER TRADE, plus MAX if a lot cap is set.
● ONLINE / OFFLINE	Whether the EA in that terminal is running.

Pause, resume and close trades

Each card has a **three-dot menu** (top right): pause or resume that slave, open its settings, or close its trades.



The Dashboard buttons work on every account at once. The line next to them shows how many slaves are copying and how many are paused.

Button	Does
CLOSE TRADES	Close copied trades in profit, losing copied trades or ALL copied trades on every slave - or EVERY trade on every account, master included. Under **One account / broker** you get the same choices for one account.
PAUSE ALL	Stops every slave taking new trades. Open copies keep following the master.
RESUME ALL	Every paused slave copies new master trades again. Trades the master opened while paused are not copied late.

Close choice	What it closes
Copied trades	Only trades the copier opened on that account. Other EAs and your manual trades are left alone.
EVERY trade on this account	Everything open on that account, including other EAs and manual trades.
On the master	Closes the master's trades - every slave copy then closes too.

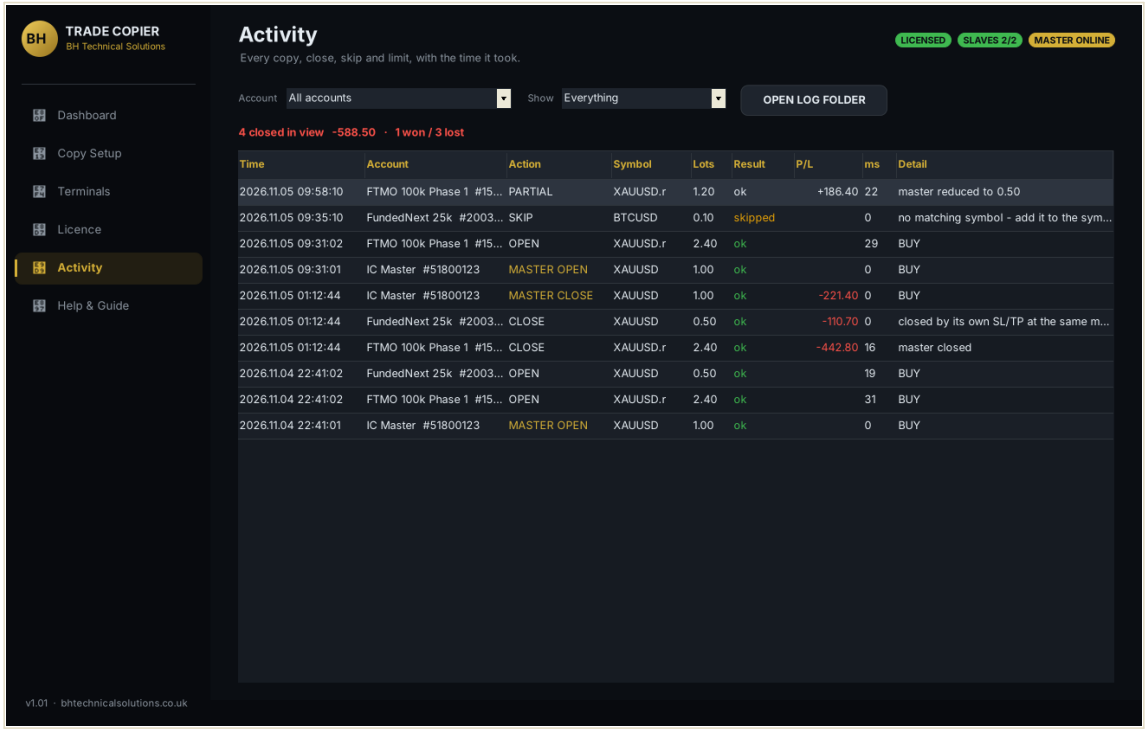
Good to know Each close runs on that account's own broker, so every account can be closed on its own. You are always asked to confirm, and the result (with the P/L of each trade) appears in Activity as **Closed by copier**.

Activity

Every action with its time, account (nickname), symbol, lots, result, **P/L of each closed trade** and speed in milliseconds - opens, closes, partials, SL/TP moves, skips (with the reason), limit locks, commands and settings changes. The master's own opens and closes are listed too (gold).

Closes say who closed the trade: **Closed by copier - master closed**, **- daily limit reached**, **- app: close losing trades**, or **Closed on this account** when its own SL/TP or you closed it by hand.

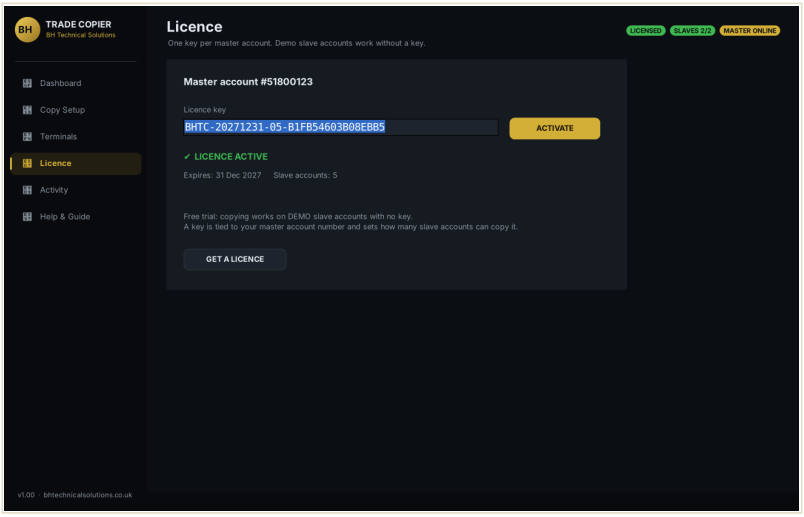
Use **Account** to show one account and **Show** to pick Closed trades (P/L), Opens, Skips and errors, Master trades or Settings, limits and commands. The line above the table totals the closed P/L in view. The same log is saved as a CSV file per account (Open log folder).



Licence

A licence key is tied to your **master account number** and sets how many slave accounts may copy it. Enter it on the Licence page and press **Activate**; the master EA confirms it within 5 seconds.

- Nothing is copied without a valid key - on live **and** demo accounts.
- The key sets how many slave accounts may copy the master.
- Changing master account? Ask for a new key.


TRADE COPIER
BH Technical Solutions
Dashboard
Copy Setup
Terminals
Licence
Activity
Help & Guide
v1.00 · bhtechnicalsolutions.co.uk
Licence
One key per master account. Demo slave accounts work without a key.
LICENSED
SLAVES 2/2
MASTER ONLINE
Master account #51800123
Licence key
BHTC-20271231-05-B1FB54603B08EBB5
ACTIVATE
✓ LICENCE ACTIVE
Expires: 31 Dec 2027
Slave accounts: 5
Free trial: copying works on DEMO slave accounts with no key.
A key is tied to your master account number and sets how many slave accounts can copy it.
GET A LICENCE

Troubleshooting

You see	Do this
Account not on the Dashboard	The EA is not running in that terminal. Attach it to one chart and switch Algo Trading on. The chart panel should show the account number.
"Algo Trading is OFF"	Press the Algo Trading / AutoTrading button. In the EA properties tick Allow Algo Trading.
"Waiting for master"	The master terminal is closed or its EA was removed. Open it and attach the EA.
"Master offline - holding trades"	The master stopped sending for 6 seconds (terminal closed, PC asleep). Copies are kept as they are until it is back.
Skip: "no matching symbol"	Add a line to the symbol map, e.g. XAUUSD=GOLDmicro, then Save & Apply.
Skip: "price moved"	Max price difference is too tight, or the slave terminal was closed. Raise it or set 0.
Skip: "no valid licence on the master"	Enter your key on the Licence page and press Activate. Expired? Renew at bhtechnicalsolutions.co.uk.
"LOCKED (daily limit)"	The daily drawdown limit was reached. Copying resumes automatically next trading day.
"LOCKED (account limit)"	Max drawdown or profit target reached. Check the account, then press Reset limits in Copy Setup.
Open failed: 10019 / 134 (no money)	Not enough margin on the slave. Lower the lot size or the risk %.
Open failed: market closed / 10018	The slave broker's session is closed for that symbol. The copier retries 3 times then skips.
"NETTING account"	Ask the broker for a hedging account; netting MT5 accounts cannot hold copies separately.
Red pill: TERMINALS NEED RESTART	A new version is installed but those terminals still run the old EA. Terminals page > **Restart for update** (open trades stay at the broker).
The app reports an error	It keeps running and saves the details to Common\Files\BHCopier\app_errors.txt - send that file to BH Technical Solutions.
MT4 card stats show 0 or too few trades	MT4 only gives the EA the history shown in the terminal. In the Account History tab right-click and choose **All History**.
EA not in the Navigator	Terminals page > Install EA in all, then right-click Expert Advisors > Refresh in the terminal.

Good practice Keep the PC/VPS awake and the terminals open - copying needs the master and slave terminals running. Check Activity after the first few copies.

Risk warning

Trading leveraged products carries a high level of risk and may not be suitable for everyone. Copied trades can fill at different prices or times to the master, and drawdown limits act on prices the terminal receives, so losses can exceed a limit when markets gap. Start with small lot sizes. BH Technical Solutions provides software, not financial advice.