



ZEUS MINING TAAS TESTER

Device User Guide · TFT screen, buttons & on-device tests

Firmware v1.0.23

DEVICE GUIDE · EN

01 Getting started POWER-ON & BOOT

1 · Connect

Plug the hashboard data cable into the tester. Power the tester on.



2 · Splash

ZEUS MINING / TAAS splash with a short progress bar, then **CONNECTING WIFI** (logo + progress + dots).



3 · Server

Registers with the back-office and downloads the current **model list** (progress 62–100%).



4 · HOME

READY (green) = activated & online. **NOT ACTIVE** (red) = unit locked → see section 06.

First-time WiFi setup: a tester with no saved WiFi boots into **setup mode** and broadcasts the access point **TAAS ASIC Tester** (password **password**). Connect a phone/laptop to it, open **192.168.4.1**, choose your WiFi network and enter its password — the tester saves it, restarts and joins your network. The same setup page appears after a WiFi reset (button 4 held 5 s).

02 The four screens PRESS BUTTON 1 TO CYCLE

HOME

READY badge · the tester's **IP address** (open it in a browser for the web interface)



SELECT BRAND

Two-level menu: choose the **manufacturer**, then the **model**



BOARD

Live page of the selected model: **chip count**, temperatures, status badges



HEALTH CHECK

One-button **per-chip health test** of the selected model (~4 s)

HOME Ready screen

- **READY** in green means the unit is activated and connected to the server.
- The **IP address** shown here is what you type into a browser on the same WiFi to open the web interface.
- The **WiFi icon** (top-right, on every screen) shows signal strength; a cyan icon means the tester is in setup (AP) mode.

SELECT BRAND / MODEL Two-level menu

- **Level 1 – manufacturers** (BITMAIN, ...) listed A–Z; the number at the end of each row is how many models that brand has. A * marks the brand of the model currently in use.
- **Level 2 – models** of the chosen brand: the header shows the brand name; the first row **< BACK** returns to level 1; the number at the end of each row is the chip count; * marks the model in use.
- Buttons 1/2 move the cursor (hold to auto-repeat), button 3 confirms. Long lists show a scrollbar on the right.
- The list comes from the back-office and refreshes automatically; entering the menu always starts at level 1 with the cursor on the current brand.

BOARD Selected model page

- Header: model name and page index; **DETECTED / xx** = designed chip count.
- **Big number** = chips detected during a board test. **Green** = all chips found (pass); **cyan** = still counting or incomplete (check ribbon cable / chips).
- **T1..Tn** = temperature sensors of that model: **<70°C** green, **70–84** yellow, **≥85** red, **--** = no reading. Models without sensors show "no temp sensor in design".
- Bottom badges **EN** **RUN** **RTS**: green with a tick = active (board power / test running / reset line), grey = off.

HEALTH CHECK Per-chip health test

- Before running: shows the model name, **Chips: n** and chip type (e.g. BM1368). Press **button 2** to start — **no external core power needed**.
- "CHECKING n CHIPS – please wait ~4s", then a grid with the **chip number in every cell** and a summary **OK n · WEAK n · DEAD n**.
- The result stays on screen until you re-run it, leave the page or select another model (it clears automatically to avoid mixing boards).

GREEN · OK

Chip responds and is ready to work.

YELLOW · WEAK

Chip responds but is not ready — check its power domain / surrounding components.

RED · DEAD

No response — locate the chip by its number and inspect that position.

03 Button reference WHAT EACH BUTTON DOES ON EACH SCREEN

Btn	On SELECT BRAND / MODEL	On BOARD	On HEALTH CHECK	Everywhere
1	Move cursor down (hold = fast scroll, wraps around)	Next page → HEALTH CHECK (stops a running test first)	Next page → HOME	Cycles the four screens; every press beeps
2	Move cursor up	Start / Stop board test (stop also cuts board power)	Run health check (~4 s)	On HOME: beep only (nothing to test)
3	Confirm: open brand → select model → go to BOARD (or < BACK)	DEVICE INFO page	DEVICE INFO page	DEVICE INFO works even when the unit is not activated; any button closes it
4	Short tap = CONTACT page (support QR code + website) · Hold 5 s = WiFi reset with on-screen countdown (release early to cancel)			Hold action is available on every screen

While a health check or board test is running the tester finishes the step first (a few seconds) before it reacts to the next press. Every accepted press gives a short beep; a double-tone beep means the action is not allowed on that screen.

04 Step-by-step workflows DAILY USE

A Select the board model

- Press **button 1** until **SELECT BRAND** appears.
- Use **1 / 2** to highlight the manufacturer, press **3** to open its models.
- Highlight the model, press **3** to confirm — the BOARD page opens and the web interface switches to the same model.

Wrong brand? Highlight **< BACK** and press 3. Selecting a model on the web interface also moves the screen to that board.

B Board test (chip detection)

- On the BOARD page press **button 2** — **RUN** turns green and the big number starts counting detected chips.
- Wait until the number turns **green** (= designed count reached). If it stays cyan, some chips were not found — use the web interface to see exactly which positions are missing.
- Press **button 2** again to stop; this also cuts board power. Always stop before unplugging the board.

C Health check

- Select the model (workflow A) so the tester knows the chip count and chip type.
- Press **button 1** to reach **HEALTH CHECK**, then **button 2** to run it.
- Read the grid: note the numbers of yellow/red cells and inspect those positions on the board (power domain, solder joints, neighbouring chips).
- After a repair, press **2** again to re-check. Leaving the page clears the old result.

D Read device information

- Press **button 3** on HOME, BOARD or HEALTH CHECK.
- IP · Status** (Online / Offline (AP)) · **MAC · TESTER ID** (e.g. **TID-001**, large cyan text) — quote the Tester ID when contacting support or requesting activation.
- Press any button to close.

05 On-screen messages WHAT THEY MEAN

Message	Meaning	What to do
NOT ACTIVE (red, after boot)	The unit has not been activated in the back-office.	Press button 3, read the Tester ID and send it to your administrator. Testing is blocked until activation.
NOT ACTIVATED (bottom, 2 s)	You pressed button 1/2 on a locked unit.	Same as above — wait for activation, then power-cycle the tester.
CONNECTING WIFI (stays on)	Saved WiFi network not reachable.	Check the router / signal; or hold button 4 for 5 s to reset WiFi and set it up again.
WIFI SETUP card	No WiFi saved — setup (AP) mode.	Join TAAS ASIC Tester , open 192.168.4.1 , enter your network.
HOLD TO RESET WiFi + countdown	Button 4 is being held.	Release before the countdown ends if you do not want to reset.

no models from server	The model list could not be downloaded.	Check internet access / server status; the list refreshes automatically once online.
no temp sensor in design	The selected model has no temperature sensors defined.	Normal for that model — nothing to do.

06 Troubleshooting SYMPTOM → CAUSE → FIX

Symptom	Likely cause	Fix
Chip count never reaches the designed number	Ribbon cable, board power or faulty chips.	Re-seat the data cable, check board power, run HEALTH CHECK to find the failing chip numbers.
HEALTH CHECK shows all chips DEAD	Board not powered / cable not connected / wrong model selected.	Check cable and power, select the correct model (chip count must match the board), run again.
Many WEAK chips in one area	A power domain on the board is unstable.	Inspect that domain (regulators, capacitors) on the board.
Screen and web interface show different models	Selection changed on one side while the other was busy.	Re-select the model on either side — both follow the latest choice.
Buttons seem to do nothing	A test is still running or the DEVICE INFO / CONTACT page is open.	Wait a few seconds, or press any button to close the info page.
WiFi icon cyan / cannot open web page	Tester is in setup mode or on a different network.	Complete WiFi setup; make sure phone/PC is on the same network; read the IP on HOME.

07 Safety & good practice PLEASE READ

- **Stop the test (button 2) before unplugging** a board — stopping also cuts board power.
- Select the **correct model**: chip count and chip type must match the board, otherwise results are meaningless.
- The on-device HEALTH CHECK needs no external power.

- Do not hold button 4 accidentally — after 5 s it erases the WiFi settings.
- When the web interface shows “New firmware available”, update the tester; do not power off during the update.
- Keep the Tester ID (button 3) at hand when contacting support.



Support & questions — scan the QR code to chat with us on Telegram **ZEUS MINING Jay**, or visit our website. Have your **Tester ID** ready.

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