

list=PLLh4wWwZhrh1lCk8CKBZ7sE8jEOKpfDN)

- Why arent the Z rods in the hole? go to 1:35min (<https://www.youtube.com/watch?v=9pOYQGTaNU&index=5&list=PLLh4wWwZhrh1lCk8CKBZ7sE8jEOKpfDN>)

Calibration

Calibration is normally not needed as this is carried out by the manufacturer and stored in the factory installed firmware. Information on printer calibration:

- Triffid Hunter's Calibration Guide on rewrap.org (http://reprap.org/wiki/Triffid_Hunter%27s_Calibration_Guide)

Bed Center Calibration

Sometimes the center of the bed is not the actual center. When printing large prints, the skirt, brim or the object itself is printed outside the heated bed. For bed center offset calibration please read:

- Oscar's Calibration Guide on Printables (<https://www.printables.com/model/832144-bed-center-calibration-tutorial-using-parametric-c>)

General

- Video: Anet 3D Printer A8 Debugging Video (https://www.youtube.com/watch?time_continue=7&v=Ml1XGhJF4_E)
- Howto: Change a nozzle and prevent it from leaking
- Optimal layer heights
- Video: Anet A8, ABS print guide, and must have Essentials (<https://www.youtube.com/watch?v=LALP0932KY0>)
- Stepper motor data

Improvements

Safety

- Howto: Replace the Connectors on the Mainboard
- Howto: Connect your Heatbed to a MOSFET (transistor switch)
- Anet A8 Mosfet and power switch Upgrade. DIY GUIDE (<https://www.youtube.com/watch?v=Pauq99Wwhp8>)
- Howto: Replace the heat bed connector

Firmware

- Original Anet firmware (<https://www.3dprintersbay.com/anet-a8-a6-firmwares-latest>)
- Marlin (<https://github.com/MarlinFirmware/Marlin>) 3D printer firmware.
- Skynet 3D (<https://github.com/thijsk/Skynet3d>) A marlin-based firmware modified for the Anet A8. Code is in Marlin.
- Script (<http://blog.mnone.de/2017/04/howto-build-marlin-3d-printer-firmware-on-the-raspberry-pi/>) for setting up a build environment for Skynet 3D on Raspberry Pi / Linux Dead site
- Repetier Firmware - On 14. June 2016 the Anet A8 was added to the Repetier-Firmware as Zonestar P802M Clone.
 - Pull Request on github.com (<https://github.com/repetier/Repetier-Firmware/pull/538>)
 - Repetier Firmware on github.com (<https://github.com/repetier/Repetier-Firmware>)

Bed Leveling

- Howto: Thumbwheel Leveling
- Howto: Auto bed leveling
- Fitting locknuts under the heated bed on the mounting screws
- Howto: Manual level video (<https://www.youtube.com/watch?v=L6GJWHwrTmY&t=176s>)

Belts

- Choose and control belts

Printable Things

Video about some upgrades (<https://www.youtube.com/watch?v=5MAc2GZp70M>)

Frame Stabilization

- Anet A8 T corner by Electrico (<http://www.thingiverse.com/thing:1672959>)
- Anet A8 Front Frame Brace by Leo_N (<http://www.thingiverse.com/thing:1857991>)
- Frame brace for Anet 3D Prusa i3 printer by Simhopp (<http://www.thingiverse.com/thing:1430727>)
- (bottom) Anti Z Wobble for Anet A8 by saschai (<http://www.thingiverse.com/thing:1858459>)
- Anet A8 Hold Down Bracket by freemark (<http://www.thingiverse.com/thing:1683033>)
- Anet A8 - Anti Z Wobbel TNG (Set) by OderWat (<http://www.thingiverse.com/thing:2067676>)
- ANET A8 FRONT BRACE by webeswervin (<http://www.thingiverse.com/thing:2075626>)
- Anet A8 Ultimate Frame Stabilizer - HEX REMIX by AVall20 (<https://www.thingiverse.com/thing:2074478>)
- "Hulk" Frame Brace for the Anet A8 by Leo_N (<https://www.thingiverse.com/thing:2189694>)

Belt holder & tensioner

- Anet A8 extruder carriage beltholder (4 holes) by Sjouke (<http://www.thingiverse.com/thing:1685768>)
- Anet A8 extruder carriage beltholder (6 holes) by Sjouke (<http://www.thingiverse.com/thing:1823322>)
- Anet A8 Improved Y-belt Tensioner by freemark (<http://www.thingiverse.com/thing:1683085>)
- Anet A8 Improved X-belt Tensioner by freemark (<http://www.thingiverse.com/thing:1683070>)
- belt attachment part for anet prusa i3 omni m505 by Simhopp (<http://www.thingiverse.com/thing:1433295>)
- Y belt tensioner Prusa i3 Zonestar P802 by groyer60 (<http://www.thingiverse.com/thing:1687541>)
- Belt tensioning modification for Anet, hesine, senhai a8 m505 omni printer by Simhopp (<http://www.thingiverse.com/thing:1492411>)
- Remixed Y axis belt tightener for A8, A6 by Radem (<http://www.thingiverse.com/thing:1755471>)
- Anet A8 Y-belt tensioner by YoshiCat (<https://www.thingiverse.com/thing:2024293>)
- Y belt attachment for Anet A8-B printer by frol (<https://www.thingiverse.com/thing:1648888>)
- Anet A6/A8 upgrade: Y-Belt tensioner by Photograaf16 (<https://www.thingiverse.com/thing:1959208>)
- Y-axis rework for Anet A8 by matsekberg (<https://www.thingiverse.com/thing:2045010>)

Fan related

- Anet A8 circular fan duct by Sjouke (<http://www.thingiverse.com/thing:1823404>)
- Cooling fan replacement blades by CreativeTools (<http://www.thingiverse.com/thing:186979>)
- Solidoodle 40mm fan repair by kj6epl (<http://www.thingiverse.com/thing:36223>)

- Prusa i3 circular fan with inductive sensor support by Mcknight (<http://www.thingiverse.com/thing:1272420>)
- Fan duct for ANET A8 by pinCODE (<http://www.thingiverse.com/thing:1761765>)
- Anet A8 alternative 40mm Extruder Fan Mount by SentinelRX5 (<http://www.thingiverse.com/thing:1749614>)
- Prusa i3 circular fan with 18mm inductive sensor support by redder04 (<http://www.thingiverse.com/thing:1404317>)
- Prusa | Anet | Circular Fanmount with 18mm Sensor Support by vidschofelix (<http://www.thingiverse.com/thing:1729961>)
- Anet A8 Original fan duct (<https://www.thingiverse.com/thing:1438439>)
- Semi-Circular Anet A8 Fan Duct by lokster (<http://www.thingiverse.com/thing:1954001>)
- "Mistral 2" Extruder Cooling Duct for the Anet A8 Printer by Leo_N (<https://www.thingiverse.com/thing:2121279>)
- "Spriya" - Open Source High Efficiency Anet A8 Fan Duct by lokster (<http://www.thingiverse.com/thing:2133328>)
- Anet Easy Magnetic Extruder Access Mod by Puddlefish (<https://www.thingiverse.com/thing:2476301>)

Filament Related

- Anet A8 MK8 extruder Filamentguide by J. Hedstrom (<http://www.thingiverse.com/thing:1978036>)
- Anet A8 Spool adaptor for Hesine 505 Prusa i3 by X3_Shim (<http://www.thingiverse.com/thing:1418321>)
- Anet A8 Quick Change Filament Filter by rcolyer (<http://www.thingiverse.com/thing:1686846>)
- Anet A8 Filament Guide & Filter by dkjsnr1 (<http://www.thingiverse.com/thing:1768332>)
- Ultimate Spool Adapter | Fastswitch Filament by vidschofelix (<https://www.thingiverse.com/thing:1874612>)
- Anet A8 Filament Guide and more by Leo_N (<https://www.thingiverse.com/thing:1859405>)
- FLEx Filament adapter for ANET A8 by ashrafau (<http://www.thingiverse.com/thing:1829810>)
- Extruder Button Anet A8 by dryas (<http://www.thingiverse.com/thing:1935151>)

Extruder Related

- Flexible material guide for Geeetech MK8 by ghugues (<https://www.thingiverse.com/thing:801036>)
- Anet A8 Bowden Extruder Mount by mkantor (<https://www.thingiverse.com/thing:1766921>)
- Anet A8 Bowden update with M6 4mm push fitting by Lancerevo21 (<https://www.thingiverse.com/thing:1644523>)
- Prusa i3/Hesine M505 (Anet A8 compatible) x Carriage for E3Dv6 (Bowden) by Jubaleth (<http://www.thingiverse.com/thing:2002778>)

Cases & Covers

- Anet A8 Electronics Case (Octopi, Relay + Mainboard) by c_wolsey (<http://www.thingiverse.com/thing:1767285>)
- Anet A8 Power Switch Socket for Anet, Hesine printers supply cover by Simhopp (<http://www.thingiverse.com/thing:1474108>)
- Anet A8 Omni m505, Anet V1.0 controller cover by Jhedstrom (<http://www.thingiverse.com/thing:1492839>)
- Anet A8 Omni m505, Power supply cover by Jhedstrom (<http://www.thingiverse.com/thing:1482846>)
- Anet A8 power Supply Cover with IEC320 C14 Socket Space by IsmaelPR1 (<http://www.thingiverse.com/thing:1798604>)
- Anet A8 mosfet supportframe by Sjouke (<http://www.thingiverse.com/thing:1857006>)
- Anet A8 Power Supply Cover with switch and mains connector by Sjouke (<http://www.thingiverse.com/thing:1656047>)
- Anet A8 V1.0 Mainboard Cover with 40mm Fan by Leo_N (<http://www.thingiverse.com/>)

thing:1803120)

- Anet A8 Full Enclosure Brackets by dldesign (<http://www.thingiverse.com/thing:1796331>)
- Anet octo pi mount by VeryFastSnail (<https://www.thingiverse.com/thing:1902901>)
- Anet A8 MKS Mosfet mount by mkantor (<http://www.thingiverse.com/thing:1950023>)
- Anet A8 ATX PSU Holder by lokster (<http://www.thingiverse.com/thing:2002743>)
- Anet A8 - Power Supply Cover with Switch by Puddlefest (<https://www.thingiverse.com/thing:2320216>)

Z-Endstops

- Anet A8 replacement for Z endswitch-mountingblocks by Sjouke (<http://www.thingiverse.com/thing:1690226>)
- Prusa i3 ANET A8, Z Endstop Adjuster. by flyingferret (<http://www.thingiverse.com/thing:1479176>)
- Fine adjustment end stop Z axis by ArcherEG (<http://www.thingiverse.com/thing:1500357>)

others

- Anet A8 Prusa i3 omni m505 button guide by Simhopp (<http://www.thingiverse.com/thing:1430125>)
- x axis cable holder by digitalcarnage (<http://www.thingiverse.com/thing:1894896>)
- Hesine M505 - Anet A8 Upgrade Kit (Updated) by msvml (<https://www.thingiverse.com/thing:1718315>)
- Anet A8 Y-Axis Cable Chain - Right Side by lokster (<https://www.thingiverse.com/thing:1914591>)
- Anet A8 Y Axis Cable Chain v2 by papinist (<http://www.thingiverse.com/thing:1915486>)
- Anet A8 idler pulley by SecurityDog (<http://www.thingiverse.com/thing:2188995>)

Upgrades

Frame

- Steel Frame Build Instructions
- P3Steel - RepRap Wiki (<http://reprap.org/wiki/P3Steel>) **order from eBay (<https://www.ebay.com/itm/P3Steel-Prusa-i3-Frame-Prote3d-Printer-Metal-galvanized-RepRap-Mendel-Lasercut-/132329297175>)** Not direct swap measure are different
- Anet A8 parts; stock and upgrades created by tzahof (<http://www.thingiverse.com/thing:2094209>)
- AM8 Frame - Metal frame (aluminum) for Anet A8; created by pheneeny; Creative Commons - Attribution - Share Alike license (<http://www.thingiverse.com/thing:2263216>) **order from eBay (<http://www.ebay.com/itm/AM8-3D-Printer-Extrusion-Profile-Metal-Frame-nuts-screw-corner-for-Anet-A8-144-/322545390025>) or from ratrig.com (<http://www.ratrig.com/3d-printing/am8-3d-printer-extrusion-profile-metal-frame-full-kit-for-anet-a8-upgrade-blk.html>)**
- Tatar - Anet A8 Steel Frame; free direct swap metal frame; Creative Commons - Attribution - Share Alike license (<https://www.thingiverse.com/thing:2221391>) **FB page (<https://www.facebook.com/tatarasteelframe/>)**
- Anet A8 Steel/Aluminum Frame (CHAVO A8); Paying design (<https://www.thingiverse.com/thing:2156369>) **Chavostyle.com (<https://chavostyle.com/>)**

Y Carriage Plate

- Anet A8, A6 Aluminum Y Carriage Plate Upgrade (<https://www.thingiverse.com/thing:2325206>)— adds stability to the bed, makes it less bend when warm

Heat bed temperature increase

- Understanding the heat bed

Alternative boards

- RAMPS 1.4

Hardware

- WiFi Printing Mod (<http://lokspace.eu/anet-a8-wifi-mod/>) - add WiFi capabilities to your Anet A8 3D printer using cheap ESP-01 (ESP8266) module
- Laser Engraver Mod (<http://lokspace.eu/anet-a8-3d-printer-laser-engraver-mod/>) - turn your Anet A8 3D printer into cheap laser engraver

Extruder

- E3D V6 (lite)

Enclosure

- Ikea Lack Enclosure (<https://www.thingiverse.com/thing:1843235>) – cheap enclosure for Anet A8 using Ikea Lack tables dead link (on archive.org (<https://web.archive.org/web/20171215230755/thingiverse.com/thing:1843235>))
- Original Prusa i3 MK3 ENCLOSURE -Ikea Lack table (<https://www.thingiverse.com/thing:2864118>) - Another enclosure

ATX PSU

- Increasing Voltage On the stock PSU

Replacement parts

Part	Description	Where to buy?
Belts	GT2 6 mm Belt (recomended glass fiber reinforced)	ebay (https://www.ebay.de/itm/10-Meter-GT2-Zahnriemen-6mm-Breit-Glasfa)
Heater Block	Aluminium Heater Block	aliexpress (https://www.aliexpress.com/item/1PCS-High-Quality-Aluminum-H)
Mainboard Anet V 1.0	Anet 3d printer mainboard	Banggood (https://www.banggood.com/Anet-V1_0-3D-Printer-Mainboard-For)
PSU	12 V, 20A, 240W Power Supply Unit	aliexpress (https://www.aliexpress.com/item/12V-15A-180W-Switch-Power-Su)

Part	Description	Where to buy?
Throat	Throat with PTF Tube inside. M6 Thread, 30 mm	ebay (http://www.ebay.com/itm/231982547868)
Nozzle	0.4 mm MK8 Nozzle for 1.75 mm filament	ebay (https://www.ebay.com/itm/112853622557)
Extruder	MK8 Extruder	aliexpress (https://www.aliexpress.com/item/1-set-3d-printer-Parts-Head-MK
Linear Bearings	LM8UU	ebay (http://www.ebay.de/itm/12PCS-LM8UU-Ball-Linear-Kugellager-Linearla
Linear Bearings Upgrade	Igus RJ4JP-01-08	ebay (http://www.ebay.de/itm/12x-DryLin-Igus-RJ4JP-01-08-Gleitlager-anstel
Heatbed Upgrade	MK3	ebay (https://www.ebay.de/itm/MK3-Aluminium-Heizung-Heizbett-beheizt-B
Thermistor for Heatbed	NTC 3950	Banggood (https://www.banggood.com/10-Pcs-3D-Printer-Thermistor-NTC-10
Blower fan	Anet 5015	aliexpress (https://www.aliexpress.com/item/Anet-5015-FAN-12V-24V-Ultra-quiet-test=searchweb0_0,searchweb201602_3_10065_10068_10130_318_10f95b3eb210a3-0&algo_pvid=429034c7-8895-4633-970e-f95b3eb210a3)

Slicer Configuration

- Cura

Communities

- Anet A8 3D Printer Help & Discussion, (RepRap, Prusa i3, & Other Clones) facebook.com (<https://www.facebook.com/groups/533574710164428/>)
- OFFICIAL Anet 3D printer Support Group (Inc RepRap Prusa i3 clones) facebook.com (<https://www.facebook.com/groups/1068531466501015/>)
- German facebook Group facebook.com (<https://www.facebook.com/groups/1145322322231437/?fref=ts>)
- Polish facebook Group facebook.com (<https://www.facebook.com/groups/AnetA8Polska/>)
- Anet A8 Prusa i3 thingiverse.com (<http://www.thingiverse.com/groups/anet-a8-prusa-i3>)
- Fedora Special Interest Group for 3D Printing (not ANET-centric, but has useful info for Linux users) <https://fedoraproject.org/wiki/SIGs/3DPrinting> (<https://fedoraproject.org/wiki/SIGs/3DPrinting>)
- r/Anet3DPrinters on Reddit (<https://www.reddit.com/r/Anet3DPrinters/>)



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