QUICK GUIDE
REVO OS

System version 1.4.33 · November 2026

Revon printers: Belt 350 · 600×600×400 · 600×600×600 · 1200×600×500



REVON BELT

350 × 350 × 300 mm · pas

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Revo OS 1.4.33 quick guide – the essentials in one place. Full manual: revotech3d.com/revo-os-manual.

Download (PDF)

1. Safety

- **E-STOP** – hold for 1 s: motors and heating stop. It is on the motion screen, during printing, on the screen lock and in Revo Panel.
- Nozzle up to 320°C, bed/belt up to 100°C – do not touch during and right after printing. ABS/ASA – ventilate the room.

2. First start

1. On-screen wizard: network (a LAN cable is best), consents, installed nozzle.
2. *Menu* → *More* → *License* – enter the `REVO-…` number, *ACTIVATE*.
3. *Menu* → *More* → *Operator* – 6-digit code → machine address in a browser → *CODE FROM SCREEN* → create the manager account.
4. *Menu* → *More* → *Machine test* (15–25 min) – answer *WORKS* / *PROBLEM*.

3. Home screen at a glance

READY / HEATING / PRINTING / ERROR	colour of the left bar: green / orange / red
NOZZLE · BELT/BED · CHAMBER	dots light up as it heats; tap to set the temperature
START PRINT	file list
PLA / PETG / ABS/ASA · Heaters off	one-tap preheat · heating off
Filament · Nozzle · Files · Menu	bottom menu
⟲ · ▦ · ⏻	back · home screen · power (tap twice)

4. Daily work

1. **File** – slice in Orca Slicer with Revotech profiles (Revo Sync) and press *Send*, or upload in Revo Panel → *Files*. Other slicers are rejected.
2. **Filament** – *Filament* → *FILAMENT CHANGE* – *STEP BY STEP*. Manual loading: nozzle at least 180°C, end cut at an angle, *LOAD FILAMENT*.
3. **Nozzle** – *Nozzle*: set diameter and material (*Brass*, *Hardened steel*, *Tungsten*). Guided change: *Replace nozzle*.
4. **Print** – *START PRINT* → file → *Print*. The machine checks the nozzle and filament. During printing: *Pause* / *Resume* / *Cancel*, *Fine Tuning*.
5. **After printing** – Belt: hold *EJECT*. Rigid bed: remove the print; with a queue tap *BED CLEAR – PRINT NEXT*.

5. Materials – starting values

Material	Nozzle	Bed	Chamber door
PLA	200–220°C	55–65°C	open
PETG	230–250°C	70–85°C	ajar
ABS / ASA	240–265°C	95–110°C	closed
TPU	220–240°C	40–60°C	open
PA, PC, composites	260–300°C	80–100°C	closed; steel nozzle, dry filament

6. Revo Panel

Machine address in a browser (shown next to the clock) or a QR code: *Menu → More → Panel on phone*. Sign in with a PIN or the shared *Operator* account. Tabs: *Dashboard* (camera), *Files* (queue), *History* (cost), *Motion*, *Filament*, *Bed mesh*, *Console*, *Library*, *Service*.

7. Maintenance

- *SERVICE DUE*: nozzle every 200 h, belts and axes every 500 h, full service every 1000 h. When done: *Menu → More → Maintenance → DONE*.
- Run the machine test after transport, after replacing parts and when prints suddenly go bad.
- Updates arrive by themselves from the Revotech server when the machine is not printing (2–5 min break – do not switch off the power).

8. Most common machine setup problems

Problem	Cause	What to do
First layer too thin, transparent, the nozzle scratches the bed	nozzle too low (Z offset)	During the first layer use *Fine Tuning* → raise Z by 0.02–0.05 mm; save the value.
First layer round "spaghetti", does not stick	nozzle too high or a dirty bed	Lower Z by 0.02–0.05 mm in *Fine Tuning*; clean the bed (no fingerprints).
Good layer only on part of the bed	old bed mesh or a skewed gantry	Revo Panel → *Bed mesh* → *NEW MEASUREMENT*; *Move* → *GANTRY LEVELING*.
Print corners lift (warping)	bed too cold or open chamber with ABS/ASA	Raise the bed temperature by 5–10°C, close the door for ABS/ASA/PA, use glue or a release agent.
PETG tears pieces out of the plate	adhesion too strong	Glue stick as a separator, bed 70–75°C.

Problem	Cause	What to do
Strings and "hairs" between features	damp filament, too hot	Dry the filament, lower the temperature by 5°C, check retraction.
PLA clogs the nozzle mid-print	chamber too warm	Print PLA with the chamber door open.
The machine asks about the nozzle before every print	file sliced for a different nozzle than set	Set the installed nozzle in *Nozzle* or slice the file for the right nozzle.
The file disappears right after upload	file from another slicer	Slice in Orca Slicer with Revotech profiles (Revo Sync).
Orca does not see the printer / does not send	no connection or a different network	Computer on the same network as the machine; run the command from Revo Panel → *Service* → *SHOW CONNECT COMMANDS* again.
No Revon printers in Orca	Orca was open during the Revo Sync install	Close Orca completely and start it again.
Wi-Fi does not connect	wrong password or a corporate network (802.1X)	*FORGET NETWORK* and connect again; on a corporate network use a LAN cable.
Revo Panel does not open in the browser	wrong address or a different network	The address is on the screen next to the clock; phone/computer on the same network; QR code: *Panel on phone*.
Filament does not go into the toolhead	cold nozzle, squashed end	Nozzle at least 180°C, cut the end at an angle, push until the gears grip.
Belt: the print does not slide off the belt	adhesion too strong, belt still warm	Wait until the belt cools, then hold *EJECT*.
The extruder clicks, weak layers	temperature too low or flow too high	Raise the temperature by 5–10°C or slow the print down; check the nozzle flow limit.

Nothing helps? Run the *Machine test* and send *Report a problem*.

9. When something does not work – messages

Axes are not homed	tap *HOME ALL*
File prepared for nozzle ...	file for a different nozzle – change the nozzle or slice the file again
Filament may run out	prepare a new spool
Chamber too hot	open the chamber door
Bed heats by itself / Heating error	switch the machine off with the main switch and call service
the screen does not respond	*Menu* → *More* → *Screen mode* – emergency screen

Contact

Revotech service: **+48 512 960 411**, biuro@revo3d.pl, Mon–Fri 9:00–17:00 (CET). Fastest: *Menu → Report a problem*.