Fusion**3**

EDGE 3D Printer

ADVANCED TOPICS:
MODE SWITCHES & SYSTEM OPTIONS

Revision 5/28/2022

EDGE MODE SWITCHES & SYSTEM OPTIONS

Description of what various modes and system options on EDGE do

EDGE has a number of system options and mode switches that are available for you to customize how the printer works:

1. Quick-turn mode
2. Door safety interlock
3. Light / high-contrast UI mode

QUICK-TURN MODE

Where to Find

Menu > Settings > Quick-turn mode toggle

Default is OFF.

What it Does

We added a ton of new functionality to EDGE over our existing products. The downside is all of these add time to the start-of-print sequence:
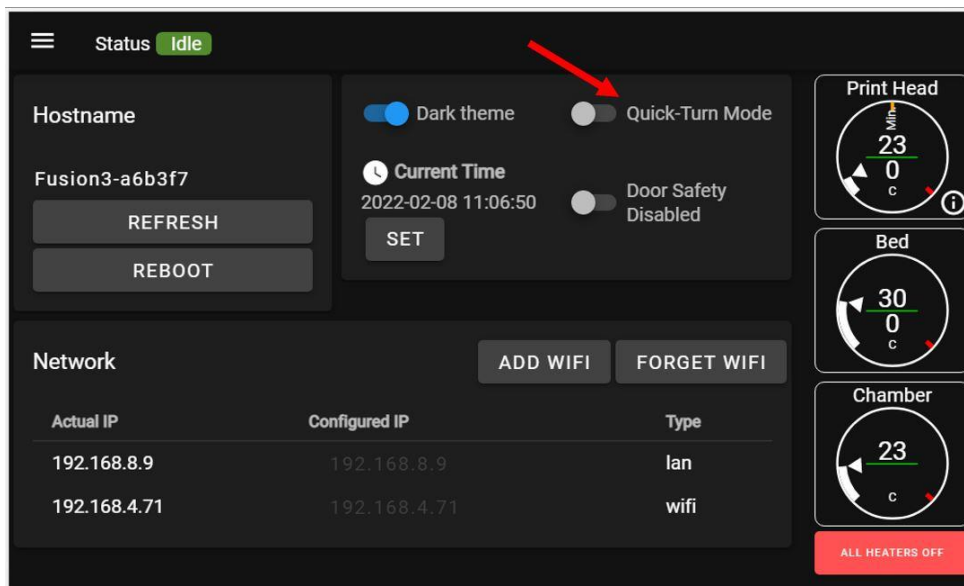

- Tool plate bed (takes longer to heat up & cool down)

- Sophisticated bed leveling system (takes time to probe 25 points)

- Automatic nozzle offset calibration (takes time to clean head, check height & check probe)

We know throughput and the ability to quickly cycle the printer are important to some of our customers. In order to support these use cases better, we created Quick-Turn Mode. When enabled, the following changes to default behavior take place:

- Bed is left **ON** at the end of a print, to eliminate cool-down and reheat time

- The printer will ask if you want to repeat the last print at the end of a print

- 25 point grid is replaced with a single probe in center of bed

- Nozzle offset check is skipped

This can cut as much as 20 minutes out of a print's startup time.

NOTE: You will need to allow the print surface to come up to temperature after removing it to remove your print, and then putting it back in the printer.

Potential Downsides

However there are some potential downsides to enabling Quick-Turn Mode:

- You will need to remove the print surface from the printer at the end of the print to allow the print to cool down and release from the bed.

- Your first layer may be less accurate. You will need to more carefully supervise the first layer and make adjustments as needed with Babystepping.

WARNING: We do not recommend this feature for new / inexperienced users, or in environments where multiple people use the same printer.

See Also

EDGE - Bed Leveling
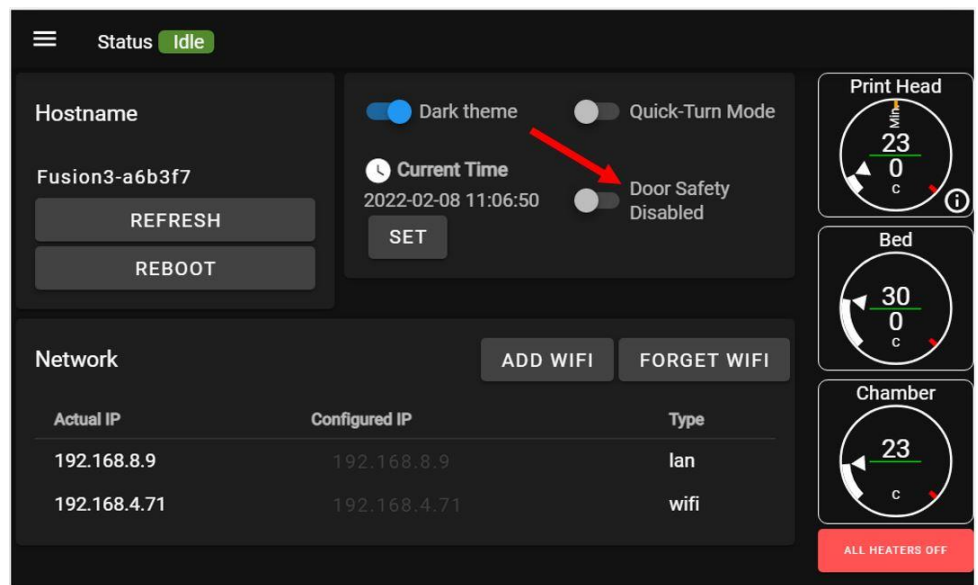
DOOR SAFETY INTERLOCK

Where to Find

Menu > Settings > Door Safety toggle

Default is ON.

What it Does

With the door safety ON:

- EDGE will not allow you to start a print with the main door open.

- EDGE wil pause a print if the main door is opened during the print.

We understand that this behavior, while safer, is not desirable to some more advanced users or in some use cases. So we made it possible to disable the door safety.

With the door safety OFF:

- You can start a print with the main door opened or closed.

- You can open the main door at any time during a print.

NOTE: After changing the door safety toggle, you may need to close and open the door for it to take effect.

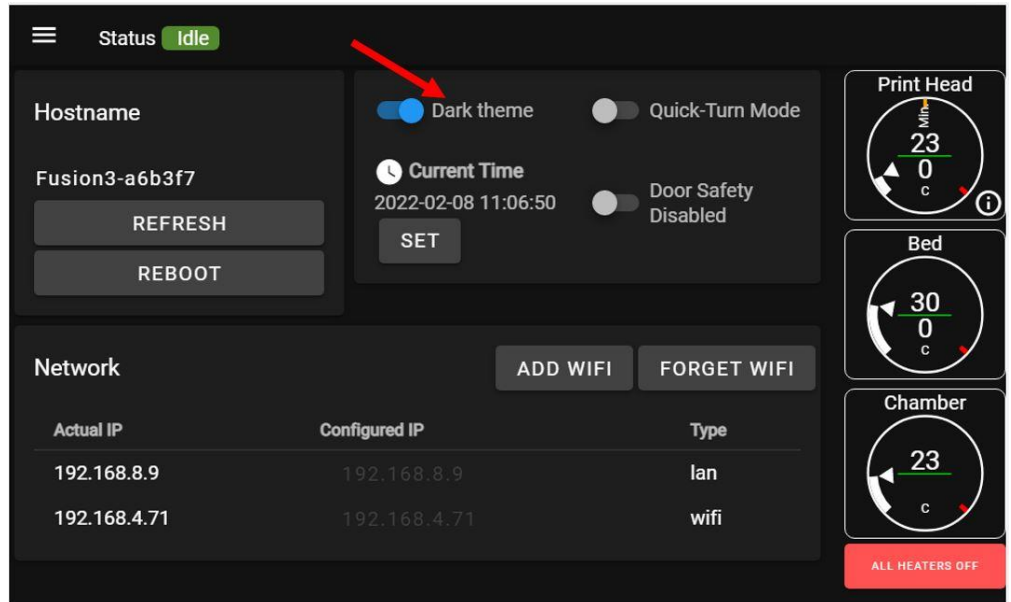# LIGHT / HIGH-CONTRAST UI MODE

Where to Find

Menu > Settings > Dark Mode toggle

Default is DARK MODE

What it Does

Some users may prefer a brighter/lighter user interface. This mode also has generally higher contrast if that's desired.

Related Articles / Resources:

Tags: EDGE, mode switches, options, quick-turn mode, door safety