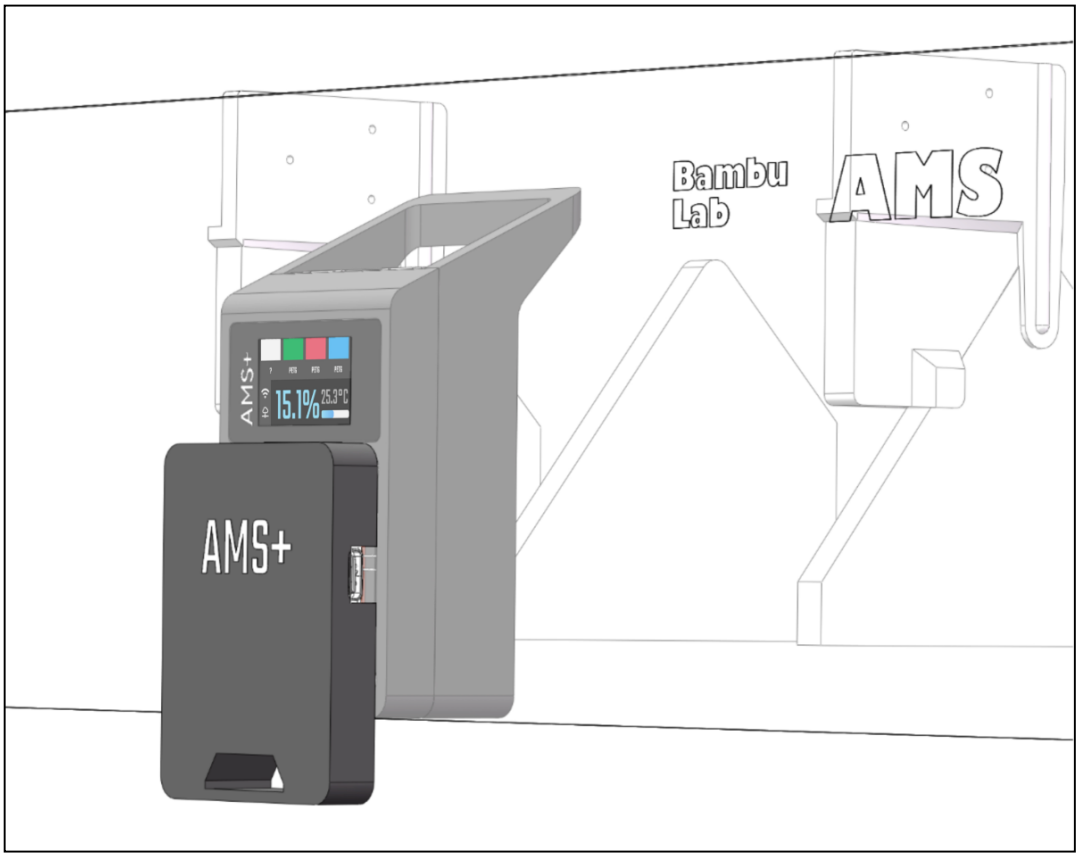
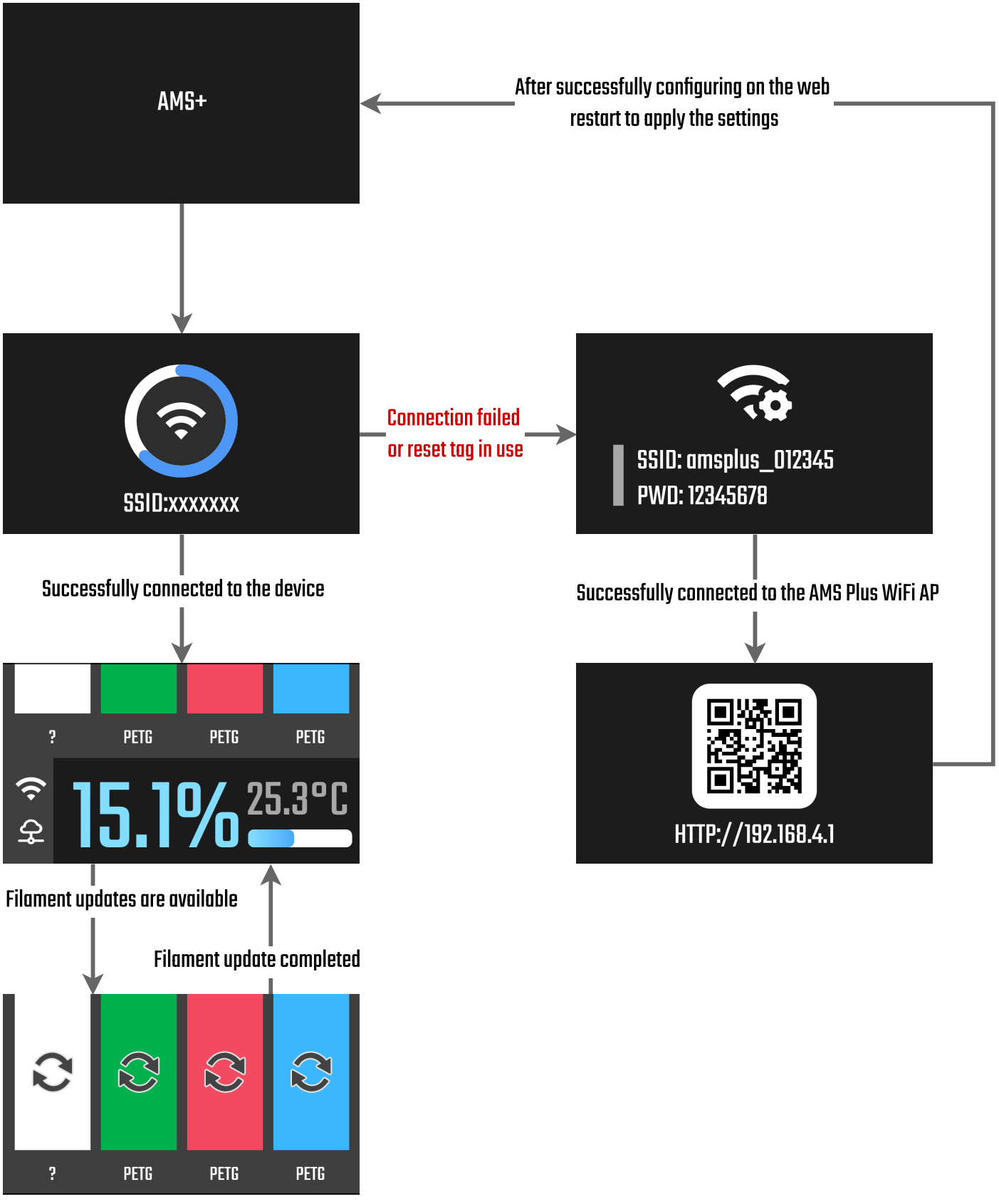
AMS Plus User Guide

Powered by Hades Studio



Note: Please read the installation guide before reviewing the user manual. Ensure that the installation is completed correctly according to the guide before starting to use the product.

Device Page Status/Flow



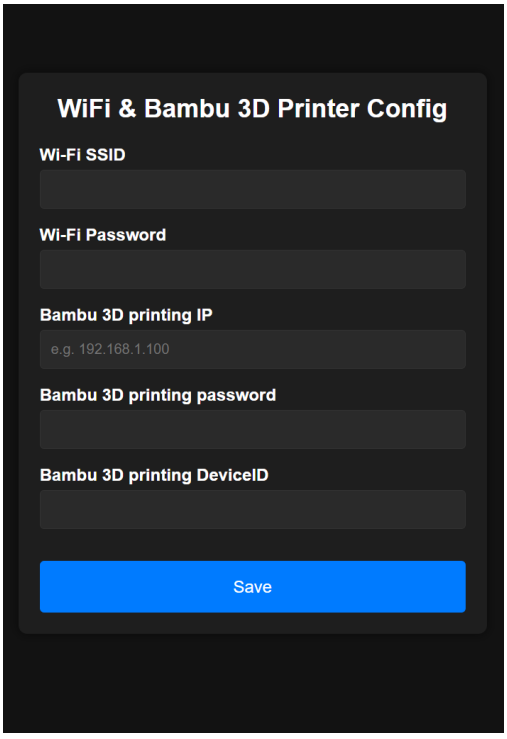
Connect to the device's Wi-Fi to configure

Use your phone or computer to connect to the Wi-Fi with the SSID displayed on the AMS Plus screen. The password is 12345678.

Note: *This Wi-Fi is only for configuring AMS Plus.*

Settings on the WEB

Use your phone to scan the QR code on the device to open the webpage, or enter http://192.168.4.1 in your browser. This will take you to the AMS Plus configuration page.

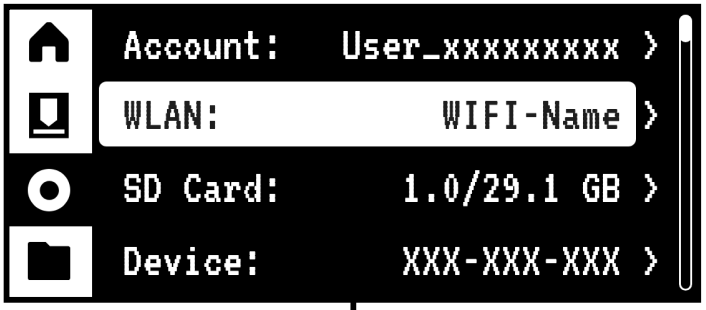


-Wi-Fi SSID: A 2.4GHz Wi-Fi network that shares the same local network as the 3D printer.
-Wi-Fi Password: The password for the Wi-Fi SSID.
-Bambu 3D Printing IP: The IP address of the 3D printer.
-Bambu 3D Printing Password: The access code for the 3D printer.
-Bambu 3D Printing DeviceID: The Device ID of the 3D printer.

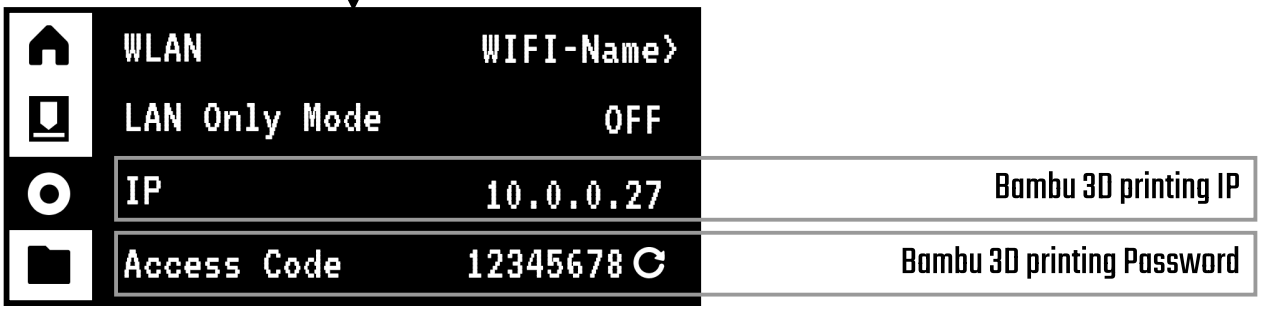
NOTE:
If you're unsure how to fill in the Bambu 3D printing parameters, please refer to the next section.

Parameters for connecting (P1P/P1S)

This section will guide you on how to obtain the parameters required to connect to Bambu Lab printers (P1S/P1P).

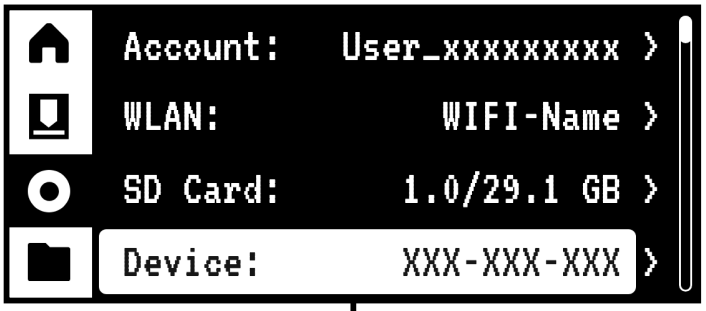


Go to the **WLAN:** subpage.

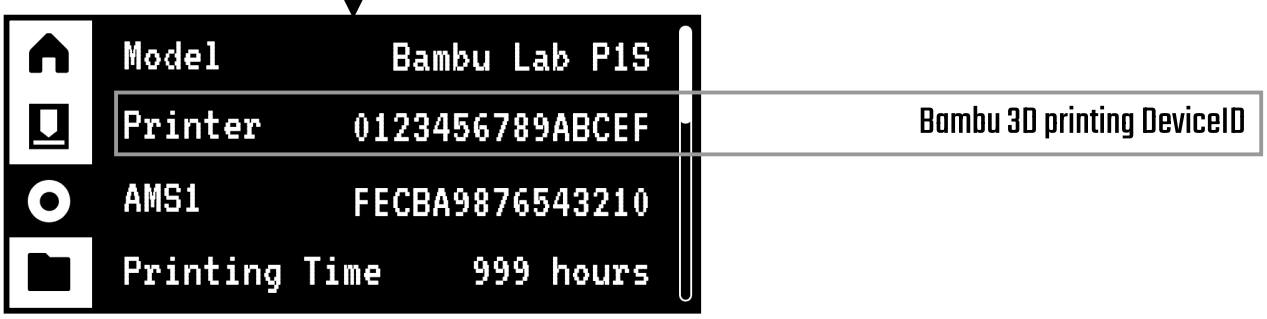


Bambu 3D printing IP

Bambu 3D printing Password



Go to the **Device:** subpage.

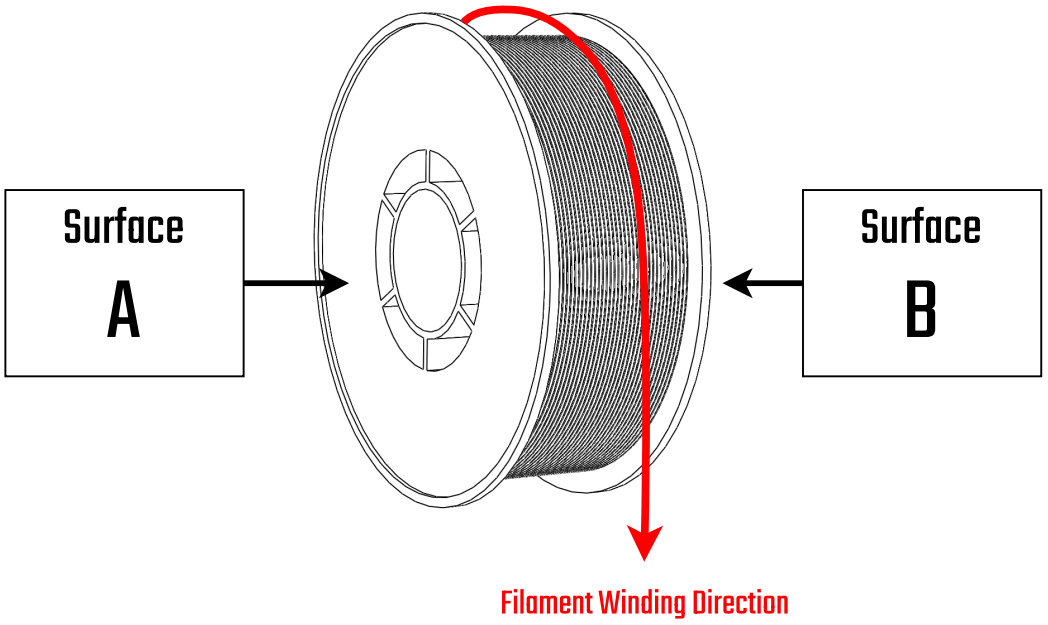


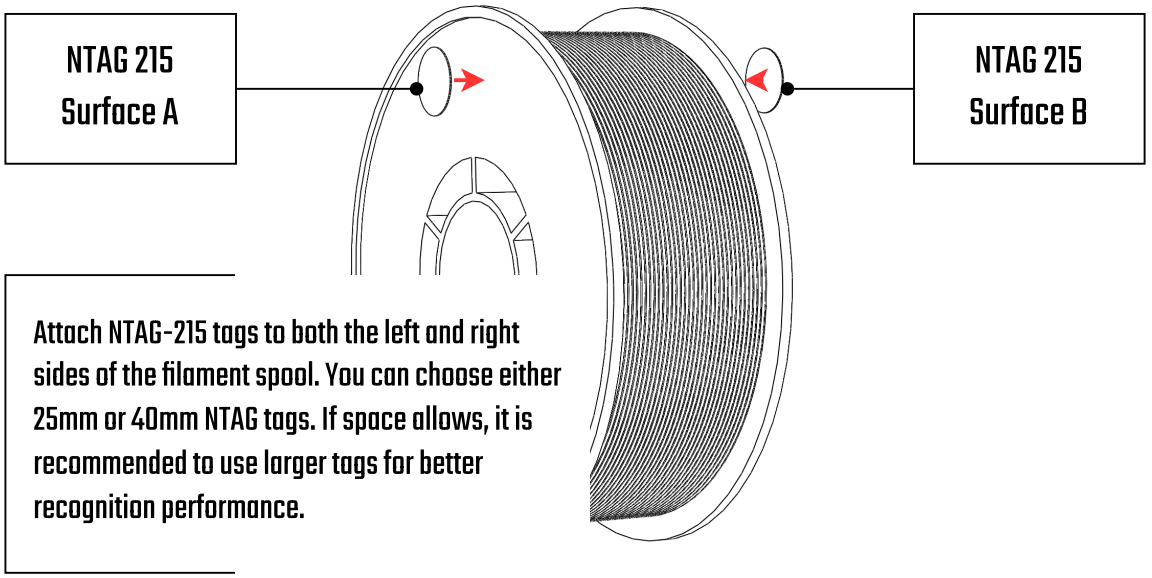
Bambu 3D printing DeviceID

NTAG Tag Placement

Since only two NTAG readers are used to read four filaments, NTAG tags need to be placed on both the left and right sides of the filament spool, using different JSON data for each side.

These are referred to as Surface A and Surface B, which can be distinguished using the diagram below.





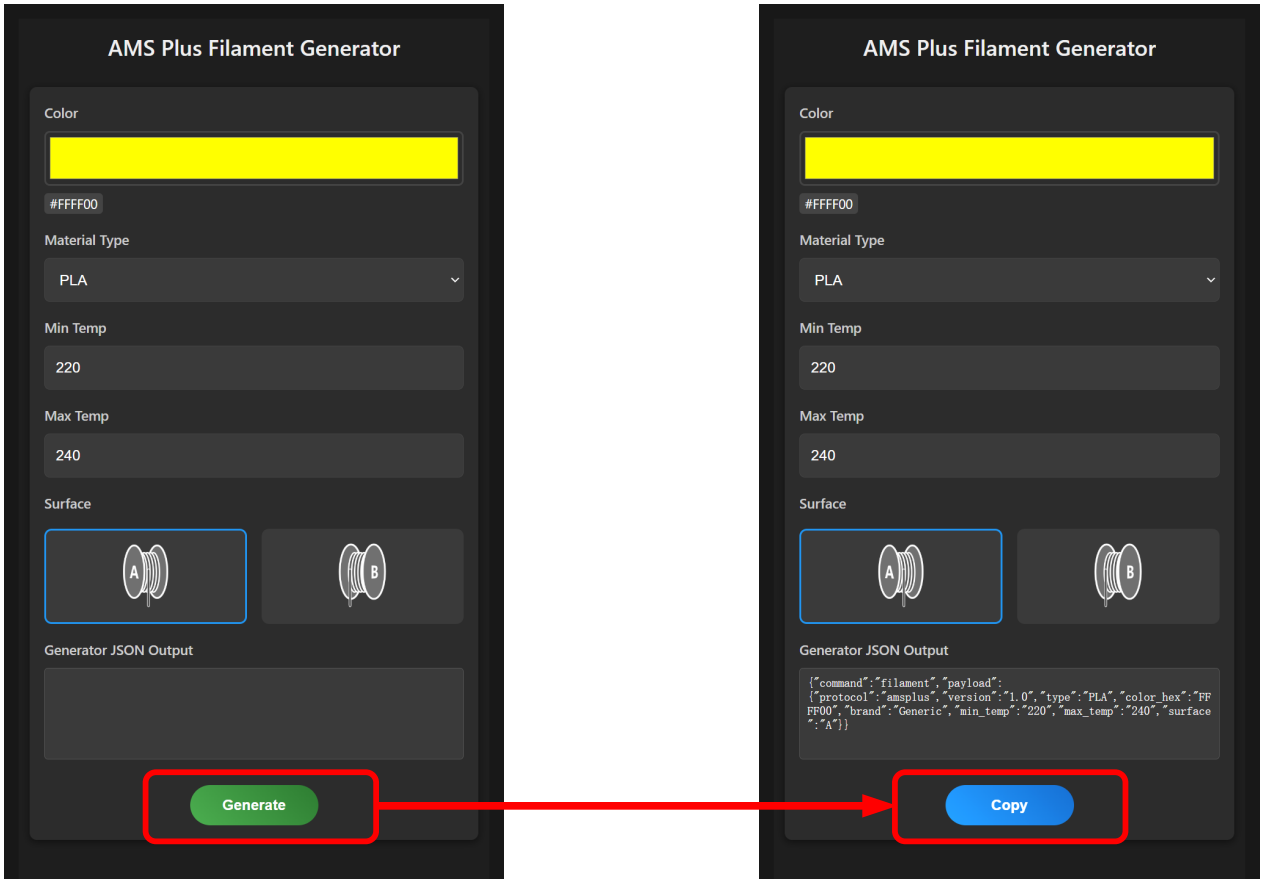
Attach NTAG-215 tags to both the left and right sides of the filament spool. You can choose either 25mm or 40mm NTAG tags. If space allows, it is recommended to use larger tags for better recognition performance.

Ntag Data Generation

To modify NTAG tag data, we need NFC read/write software. It can be any software capable of reading and writing NTAG tags. Here, I will use NFC Tools for demonstration.

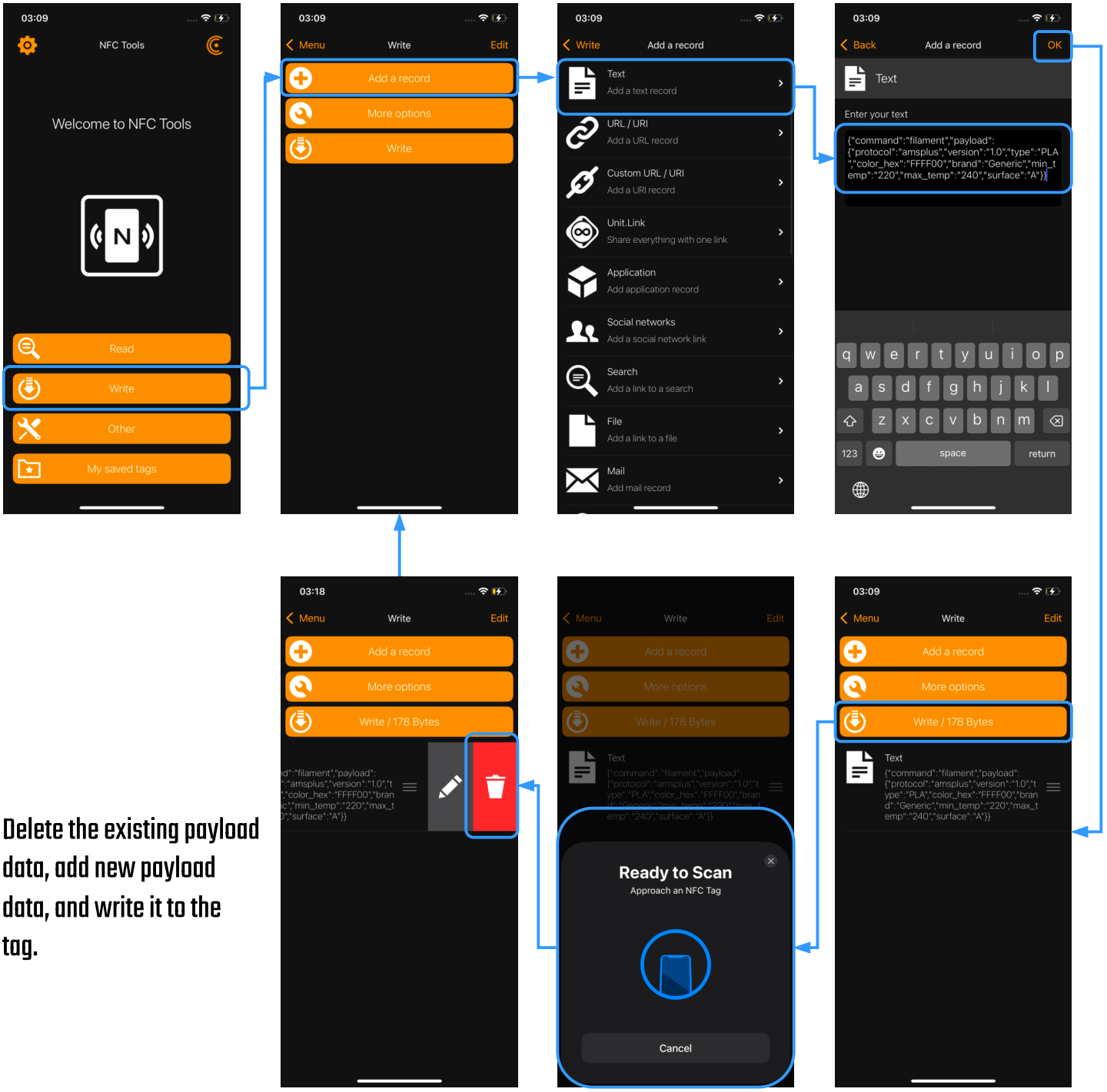
NFC Tools for IOS | NFC Tools for Android

Open the Ntag data generation webpage by locally deploying the configuration webpage from https://github.com/Hades2001/AMSPlusWebPage or by visiting http://www.amsplus.net/ntaggen (under construction).



Click the "Generate" button to create the JSON data for the tag, and then click "Copy" to copy it to the clipboard.
Make sure to generate Surface A and Surface B separately and write them into their respective tags.

Use NFC Tools to write data to the NTAG-tag:



Delete the existing payload data, add new payload data, and write it to the tag.

Please note that Surface A and Surface B data must be written into two separate tags. This part is prone to errors, so allow me to remind you once again.

Place the filament into the AMS. The AMS will attempt to rotate the filament, during which AMS Plus will read the NTAG tag and sync the filament information to the printer.

If the filament information is not read correctly, please double-check whether the NTAG tag data was written correctly.

If the issue persists after troubleshooting, please open an issue in the GitHub project.