

EasyRoute ATC CNC Router Blank Firmware Upgrade Guide

Resolved Bugs, Improved Performance, and Enhanced Stability

Warning: Upgrading the firmware will erase all current settings and files. You can back up your G-code files, but all settings must be manually re-entered afterward. Only upgrade if necessary.

Step 1: Create a Backup Before Proceeding

Refer to the guide: <https://cncu.co.za/EasyRoute-CNC-Router/EasyRoute%20System%20Backup%20and%20Restore.pdf>

Step 2: Note Down Critical Settings

Based on the manual: <https://cncu.co.za/EasyRoute-CNC-Router/EasyRoute%20CNC%20Control%20Panel%20Manufacture%20Manual.pdf>

Page 51: All "Tool Change Parameters" (essential; otherwise, tool change calibration must be redone - see instructions: <https://youtu.be/Mp1gJMLFMSk>)

Page 52: All "Velocity Parameters"

Page 53: All "Parameters Related with Machine Tool Debugging" and "Spindle Parameters"

Step 3: Download the Firmware

Download "2026 Model ATC Blank.zip" (or the latest major upgrade file containing "Blank" in the name) from: <https://cncu.co.za/EasyRoute-CNC-Router/Firmware/>

Unzip the files and copy them to the root directory of a freshly formatted USB flash drive.

Name	Type
CHN	File folder
Config	File folder
ENG	File folder
Font	File folder
NewNK200	File folder

Step 4: Perform the Firmware Upgrade

Follow the boot process to enter the "System Core Menu" (as described in Step 1 of the backup guide):

1. Delete parameters
2. Update public
3. Update system

Reboot the system. Important: After rebooting, **do not perform homing**.

Step 5: Restore Parameters

Manually re-enter all settings noted in Step 2.

Reboot. Well done!

Please note:

In most cases, you can also recover previous firmware using the recovery steps in the Step 1 backup/restore guide.

Risk Note: This process can render the system unbootable in rare cases, **so only upgrade when truly necessary**.

If issues arise and a new controller is needed:

<https://buythis.co.za/r-panel-atc>

<https://buythis.co.za/r-keypad-atc>

Make a new backup if everything goes well.

For assistance, contact AM.CO.ZA Support (Machine.Africa) via WhatsApp: +27 60 600 7000.