

Updating Blade InFusion 210 (BLH01550) flight controller (AR6250MHXF) from Stock firmware to Belt Drive Conversion firmware.

You will need:

- Blade InFusion 210 BNF Basic BLH01550
- Blade Belt Conversion Kit: InFusion 210 BLH-2929
- Spektrum Transmitter/Receiver Programming Cable: USB Interface SPMA3065
- Windows PC running Spektrum PC programmer software:

https://drive.google.com/drive/folders/1NkcX9bVuOl-ZV0vy7twA2lgC1yKPPEZJ?usp=drive_link

- An active account on <https://www.spektrumrc.com/MyAccount/Register.aspx>

Note: Before starting this process, you should remove Main and Tail blades from the helicopter.

To use this guide, you will have to have already made an account with WWW.Spektrumrc.com and have the Spektrum PC Programmer software running and USB drivers up to date for the Spektrum interface cable.

1. Power the transmitter and helicopter, enter forward programming, write down all 3 Sub trim settings for your cyclic servos. You will need to enter these numbers into the flight controller once the update is complete.

1. Forward Programming > Setup > Swashplate > Output Setup > Sub trim > Output Channel
2. Copy numbers exactly, the numbers can be +/-
3. Exit forward programming
4. Unplug battery from helicopter

5. Turn off Transmitter
2. Open Spektrum PC Programmer software and connect USB Programming Cable to computer.
3. In the original packaging for the 210 there is a standard servo-to micro-servo adapter.

1. Connect this to the Spektrum Programming Cable making sure that the polarity is correct.
4. Attach the Programming Cable to the Bind/Programming port of the AR6250MHXF.
5. In the upper right corner of the PC software you should see a line of text "Cable Connected but No Device"

1. Click the small check box next to the words "Power Cable"
2. A popup warning will appear. Please read warning and make sure that the battery is removed from the helicopter
3. Click "Power Cable"
4. Click the "Connect" button in the upper right corner
6. The Program should automatically change to the Software Update Tab
7. Click "Check for Update..."

1. New popup for Registering the Device will appear
2. Name the flight controller
3. Click "Register"
8. Click the button for "Install Another Version"
9. There will be a new Popup, in the firmware selection window there will be two options please select "Blade Infusion 210 Belt Conversion AR6250MHX v6.0.9 (September 8th, 2026)"

8. Once selected the update will begin automatically
10. Once update has finished and the new "The device was successfully updated" notification appears click "OK"
11. Unplug the Programming cable from helicopter and PC
12. If you have not already done so remove Main and Tail blades from helicopter.

At this point you should have the belt conversion kit installed in the InFusion 210 and be ready to set the helicopter up for flight.

1. Power on transmitter
2. Make and select a new model
3. Install a bind plug into the AR6250MHXF

4. Make sure that throttle is at the lowest position and that the transmitter is not in a stunt mode.
5. Power on the helicopter
6. Bind the new transmitter model to the InFusion 210 helicopter
7. Allow telemetry to be acquired by the transmitter
8. Import the new STF (Smart Transmitter File)
9. Go to Forward Programming > System setup > Factory Reset > Apply ... > Complete
10. Back out, to Main Menu then go to Setup > Swashplate > Output Setup > Sub trim > Output Channel

1. Using numbers saved in step 1-2 enter the original sub trim numbers for all 3 Output channels

11. Once Sub Trims have been entered Back out to Setup > Tail Rotor > Output Setup >

1. Adjust Travel trying to have both Left and Right Yaw numbers match

1. (sample helicopter used 110 for left and right)

2. If needed adjust sub trim, for best results using 0 sub trim is suggested

12. Exit Forward Programming to save all settings entered

13. Power cycle the helicopter and verify all control movements and that all information in STF Imported correctly

14. Reinstall blades

You should now be ready for first hover.