

# AR5700D Firmware Update Instructions

Sept.26, 2025

**⚠ Important:** While we have simplified the update procedure, it still requires a minimum level of technical knowledge and access to basic hardware tools. Please read these instructions carefully. If you are not confident, contact an official AOR distributor to perform the update (note that shipping and servicing charges may apply).

## 1. Hardware Requirements

- You will need the following hardware:
- Windows PC with a free USB port (not supplied)
- USB to RS-232 (DB9 Male) adapter (not supplied)
- DB9 Null Modem (cross) cable, Female–Female (not supplied)
- USB-A to USB-B 2.0 cable (supplied with receiver)
- Screwdrivers (not supplied)



USB to RS-232



DB9 Null Modem

Note: The USB to RS-232 adapter and DB9 Null Modem cable must be connected together to link your PC to the AR5700D receiver.

## 2. Software Requirements

Download the latest updater package (which includes the firmware files) from the official AOR support website:

<https://www.aorja.com/support/software.html#ar5700d>

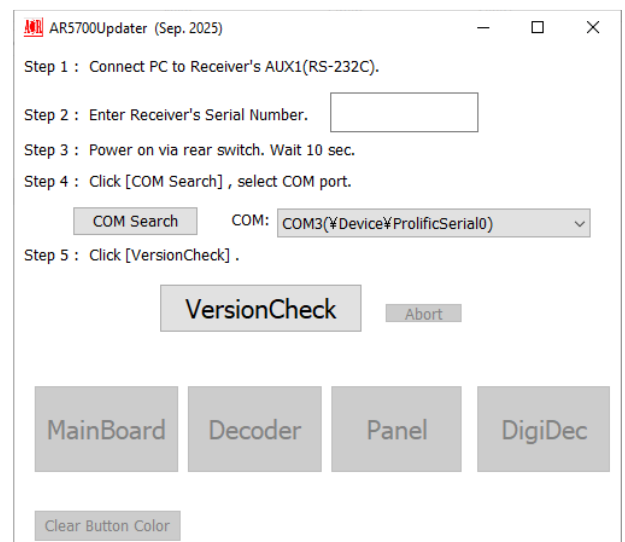
File: AR5700Updater\_xxx.zip

## 3. Installing the Updater Software

- Extract the zip file into a new folder of your choice (avoid extracting directly into the C:\ directory).
- The file 'AR5700Updater.exe' will be created.
- When first executed, additional system files will be created in the same folder. Do not delete or modify these files.
- Always use 'AR5700Updater.exe' to launch the software.

## 4. Using the Updater Software

- Follow the steps 1–5 as described in the updater window.
- If 'VersionCheck' turns GREEN, the connection is successful and you may proceed with the update.
- If 'VersionCheck' turns YELLOW or RED, there is a problem with the USB-to-Serial connection.



## Troubleshooting Tips

- Not all USB-to-Serial adapters work reliably — adapters using an FTDI chipset are recommended.
- Ensure that the DB9 cable used is a Null Modem (cross) cable. A straight extension cable will NOT work.

## Firmware Status Indicators

The screenshot shows the AR5700Updater (Sep. 2025) window. It contains five steps: Step 1: Connect PC to Receiver's AUX1(RS-232C). Step 2: Enter Receiver's Serial Number. (09680004) Step 3: Power on via rear switch. Wait 10 sec. Step 4: Click [COM Search], select COM port. (COM: COM3(¥Device¥ProlificSerial0)) Step 5: Click [VersionCheck].

Annotations include:

- A box labeled "Available FW" points to the "VersionCheck" button.
- A box labeled "Installed FW" points to the "VersionCheck" button.
- A box containing a legend points to the status indicators: Green: No update required, Pink: Update required, Yellow: Update in progress, Purple: Update successful.
- The status indicators are shown as: 403AB => 403AB (Green), 4NCA => 4NCA (Green), 508A => 508A (Green), and Always update DigiDec! (Pink).
- The status indicators are also shown as: MainBoard (Green), Decoder (Green), Panel (Green), and DigiDec (Pink).
- A "Clear Button Color" button is located at the bottom.

## ⚠ Important Note on DigiDec Updates

Updating the 'DigiDec' firmware carries significant risk. The process takes about 10 minutes, and any interruption may permanently disable (brick) the receiver. Official AOR servicing would then be required at additional cost. Proceed only if you fully accept this risk.

Additional Notes:

- The DigiDec update requires the I/Q driver to be installed (see receiver manual, page 43).
- After updating, DigiDec will remain PINK due to a hardware limitation. This is normal. Updating once is sufficient.