Avatar USB cable

Walksnail
Cable for VTX firmware updates



Read this manual carefully before use and keep it for future reference.

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1. Product Description

1.1 What It Is For

The Walksnail Avatar USB cable is a replacement cable for connecting the air unit (video transmitter, VTX) of the Walksnail Avatar digital FPV system to a computer. It has a USB-A connector on one end and a small 4-pin connector on the other, which plugs into the USB port on the VTX board.

The manufacturer specifies the cable for **firmware updates** of the VTX. Once the VTX is connected to the computer and powered on, its internal storage appears on the computer as a removable drive, to which the firmware file is copied. The cable does not power the VTX – power must be supplied by a battery or another suitable power source.



USB-A connector and 4-pin connector for the VTX

1.2 Specifications and Package Contents

Product	Walksnail Avatar USB cable (manufacturer's name: Free-Walksnail Kit USB Cable)
Manufacturer	Walksnail (CaddxFPV)
Purpose	firmware update of the Avatar air unit
Connectors	USB-A ↔ 4-pin connector for the VTX USB port
4-pin 1.0 mm version	Avatar HD VTX Kit (V1), Avatar HD 1S Kit (33 mm version) manufacturer code WNPJ-00009
4-pin 0.8 mm version	Avatar HD 1S Kit (30 mm version), Avatar HD Nano Kit V3 manufacturer code WNPJ-00015
Package contents	1× USB cable
Not included	VTX, battery or other power source, fan, computer, firmware file (download from the manufacturer's website)

2. Use

2.1 What You Need

- a Walksnail Avatar VTX with a USB port matching the cable version,
- a computer with a USB-A port,
- a charged battery or another power source for the VTX within the voltage range specified by the VTX manufacturer,
- a small fan to cool the VTX while it is connected to the computer,
- the VTX firmware file downloaded from the manufacturer's official website www.caddxfpv.com (*Download Center* section).

2.2 Connecting the VTX to a Computer

① If the VTX is installed in a drone, **remove the propellers**.

② Make sure the connector version (1.0 mm or 0.8 mm) matches the USB port of the VTX. Plug the 4-pin connector into the VTX USB port – without using force – and the USB-A connector into the computer.

③ Connect a battery or another power source and power on the VTX. The USB connection alone does not supply enough power to the VTX.

④ Wait until the VTX has started up. Its internal storage will appear on the computer as a removable drive.

⑤ Keep the VTX cooled with a fan for the entire time it is connected.

2.3 Updating the VTX Firmware

The VTX firmware file is named in the format **Avatar_Sky_X.X.X.img** (the Avatar_Gnd_... file is intended for the goggles). Select the correct file according to the overview on the manufacturer's website and do not rename it. Only a version newer than the one installed on the VTX can be flashed.

※ Never disconnect the power or the cable during the update. The update may fail and, in the worst case, the VTX may be permanently damaged.

① Connect the VTX to the computer as described in Chapter 2.2.

② If there is an older firmware file in the root directory of the VTX, delete it.

③ Copy the firmware file to the **root directory** of the VTX.

④ Press and hold the Bind (pairing) button on the VTX for approximately 8 seconds until the status LED turns off, then release the button. The VTX enters update mode and the LED flashes.

⑤ Wait until the VTX restarts and the LED starts flashing green rapidly or stays solid green. The update takes approximately 3 minutes. Only then switch off the power and disconnect the cable.

2.4 Checking the Firmware Version

The current firmware version is shown in the goggles under *Settings* → *Device* → *Device Information*. After a successful update, you can reconnect the VTX to the computer – a file named **Avatar_version** is created in its internal storage, showing the installed firmware version. If the VTX does not link with the goggles after the update, bind them again according to the manual of your system.

2.5 Safety and Cable Care

- Plug and unplug the connectors by holding the connector body; never pull on the wires.
- Do not bend the cable sharply at the connectors, do not pinch it and protect it from moisture and heat.
- Do not continue to use a damaged cable or connector.
- Always cool the VTX with a fan when it is connected to a computer for a longer period. Without airflow it may overheat and enter thermal protection; repeated overheating may damage it permanently.
- This product is not a toy. Keep it out of the reach of children.
- When using the product, observe the regulations of the country in which you use it – the law of the country in which the product is operated always prevails.

2.6 Troubleshooting

Problem	Cause and solution
The computer does not show the VTX drive after connection	The VTX does not have sufficient power. Connect a battery or another suitable power source and make sure the power supply is stable.
The computer reports a device error or cannot access the device	Check the pins in the VTX USB port. Carefully straighten a bent pin with tweezers. Try another compatible cable.
The update does not start or does not complete	Check that the file name matches your device, that it is a newer version and that the file is in the root directory. If the update has not completed after approximately 3 minutes, disconnect the power and repeat the procedure.
The VTX overheats while connected	Cool the VTX with a fan and do not leave it connected longer than necessary.

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

3.2 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

4. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.