



Vector & Scorpion

Silvus Firmware Update

Silvus Firmware Update

Version_002

ITS083	Creator	Releaser
Name	M. Baysel	J. Würzberg
Date	06.02.2024	07.02.2024

Description

Procedure for updating the Silvus data link

Requirement

Outdated firmware and Silvus hardware

Aim

Ensure best system performance with latest update

Content	Page
Connecting to Silvus UI	3
Ground Radio	4
Air Radio	5
Saving Configuration	6
Ground and Air Radio	7
Uploading the firmware	8
Ground Radio	9
Air Radio	10
Re-uploading Settings Profile	11
Ground and Air Radio	12



Connecting to Silvus UI

Silvus Firmware Update

—

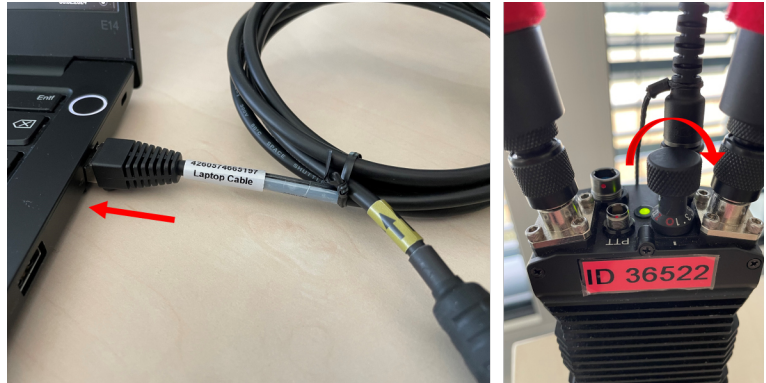


Ground Radio

Plug in the Silvus radio into your computer's ethernet port and turn on the Silvus radio.

Important:

Make sure that the antennas are attached to the radio! A not attached antenna can lead to a damage of the radio.



Open the Silvus web UI by typing its IP address into the search bar of your web browser. The IP address can be found on a sticker on the Silvus radio itself.

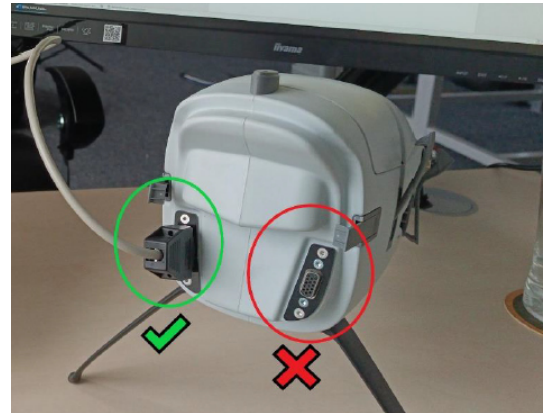
Note:

The same step applies for SC4400 ground radio.

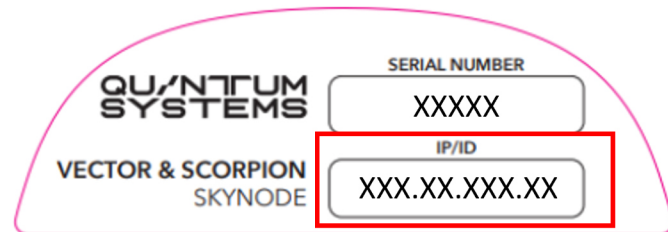


Air Radio

Connect the main body as shown with the Silvus configuration cable to your laptop. Plug the Smart Battery Pack into the main fuselage of the Vector.



Open the Silvus web UI by typing its IP address into the search bar of your web browser. The IP address of the air radio can be found on a sticker under the battery cover on the main fuselage of the Vector.





Saving Configuration

Silvus Firmware Update

—



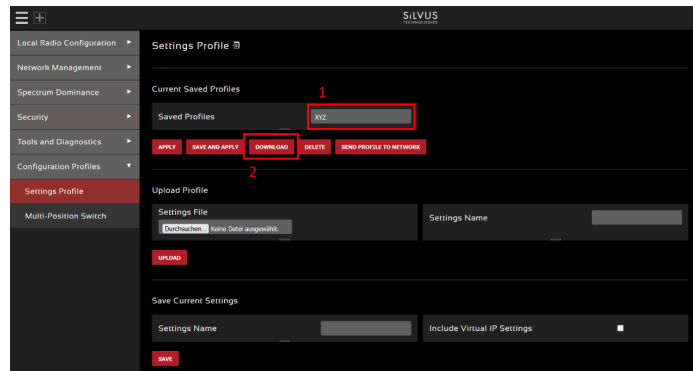
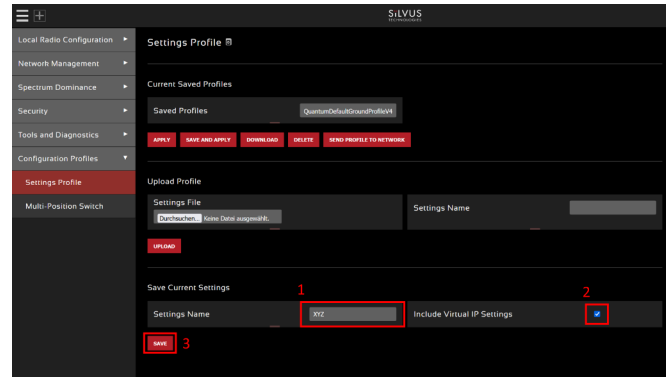
Ground & Air Radio

To ensure that no settings are lost during the firmware update, the configurations of both ground *and* air radio should be saved and reloaded after the update. Follow the steps below with the ground or air radio connected to the laptop.

- “Configuration Profiles > Settings Profile”
- Enter a name for your settings profile
- Click the checkbox “Include Virtual IP Settings”
- Click “Save”

To download the `.json` file of the profile settings, select the saved profile under “Current Saved Profiles”

- Click “Download”





Uploading the firmware

Silvus Firmware Update

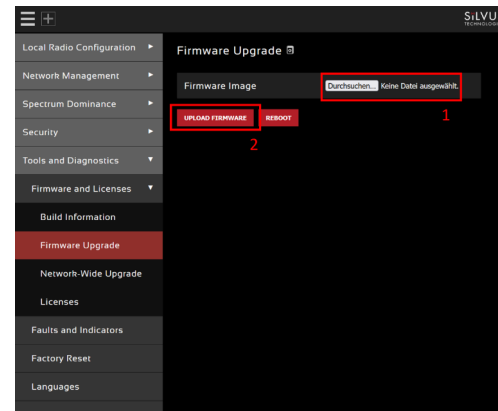
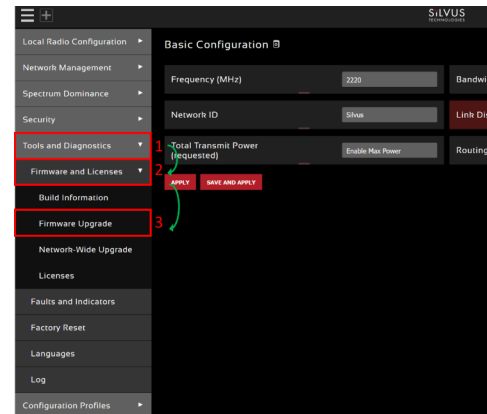
—



Ground Radio

Follow the steps below with the ground radio connected to the laptop.

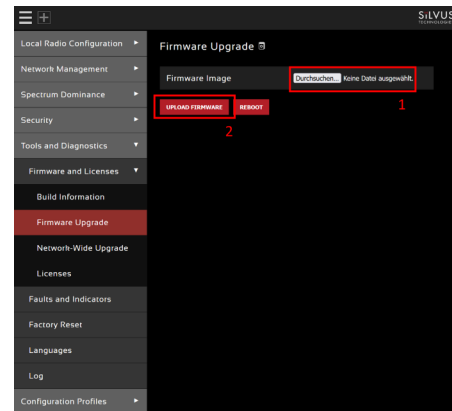
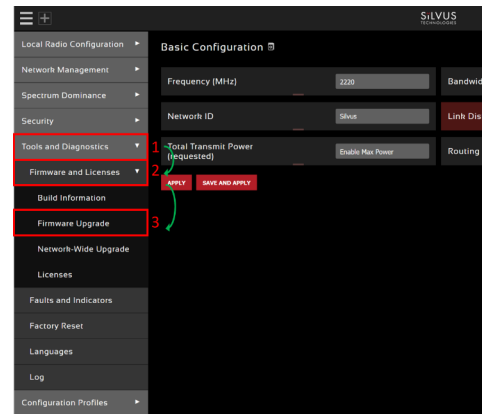
- Click “Tools and Diagnostics”
- Click “Firmware and Licenses”
- Click “Firmware Upgrade”
- Click “Browse” and choose the correct *ground radio* (Note whether you have an SC4200 or SC4400) firmware file.
- Click “Upload Firmware”
- Wait until it is displayed that the update was successful.
- Restart the radio



Air Radio

Follow the same steps as shown on page 7 with the air radio (main fuselage) connected to the laptop.

- Click "Tools and Diagnostics"
- Click "Firmware and Licenses"
- Click "Firmware Upgrade"
- Click "Browse" and choose the correct *air radio* firmware file.
- Click "Upload Firmware"
- Wait until it is displayed that the update was successful.
- Restart the radio by power-cycling the Vector





Re-uploading Settings Profile

Silvus Firmware Update

—

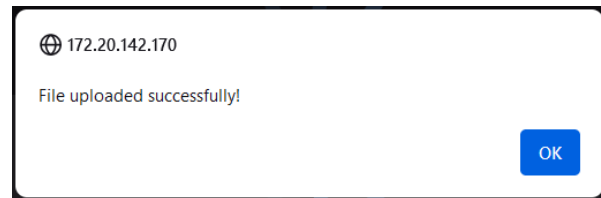
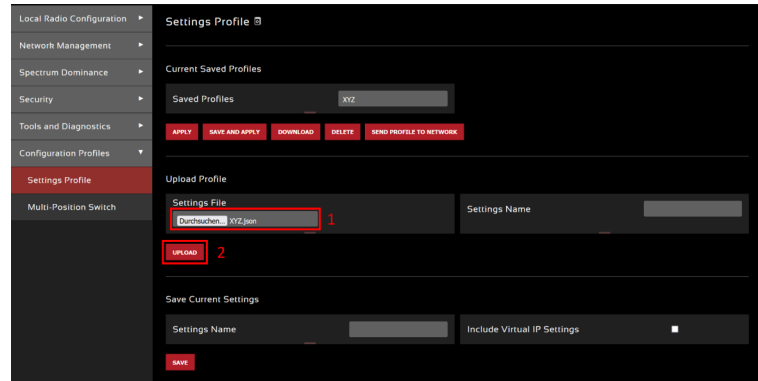


Ground & Air Radio

Please check after the update that all settings are still correct. To make sure, the previously saved .json file of ground and air radio can be uploaded again:

- “Configuration Profiles > Settings Profile”
- Click “Browse” and choose the correct .json file
- Enter a Settings Name
- Click “Upload”
- If the upload was successful, the following notification will be displayed.
- Select the relevant profile under “Current Saved Profiles” and click “Save and Apply”

The Silvus firmware update is now completed.





Copyright © 2024 Quantum-Systems GmbH. All rights reserved.
Quantum-Systems GmbH | Zeppelinstr. 18 | 82205 Gilching | Germany
quantum-systems.com

