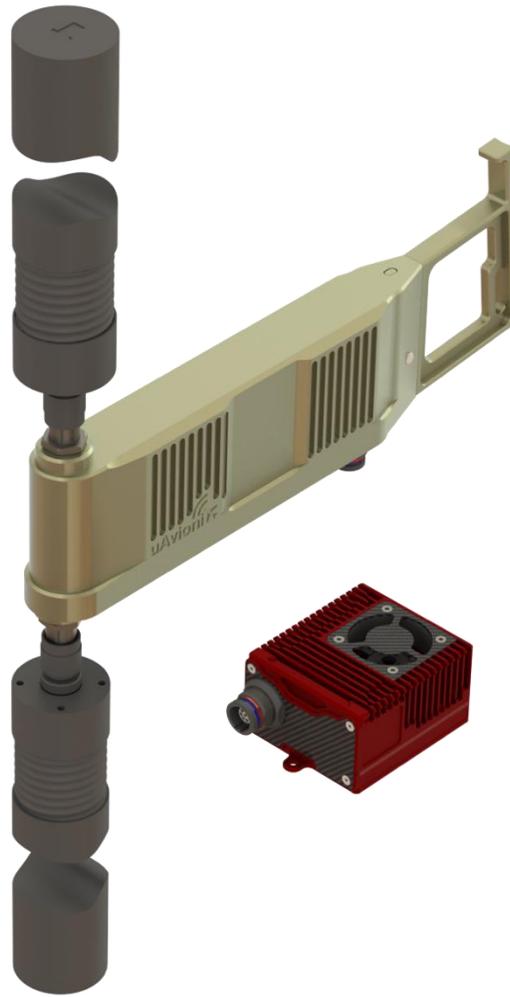


SkyLink5060 Radio Update Guide



!Warnings!

Thoroughly read this guide before performing updates. Failure to follow these instructions can result in damage to hardware.

DO NOT POWER ON RADIO WITHOUT ANTENNA OR RF LOADS ATTACHED.

DO NOT provide more than 32 VDC to radios.

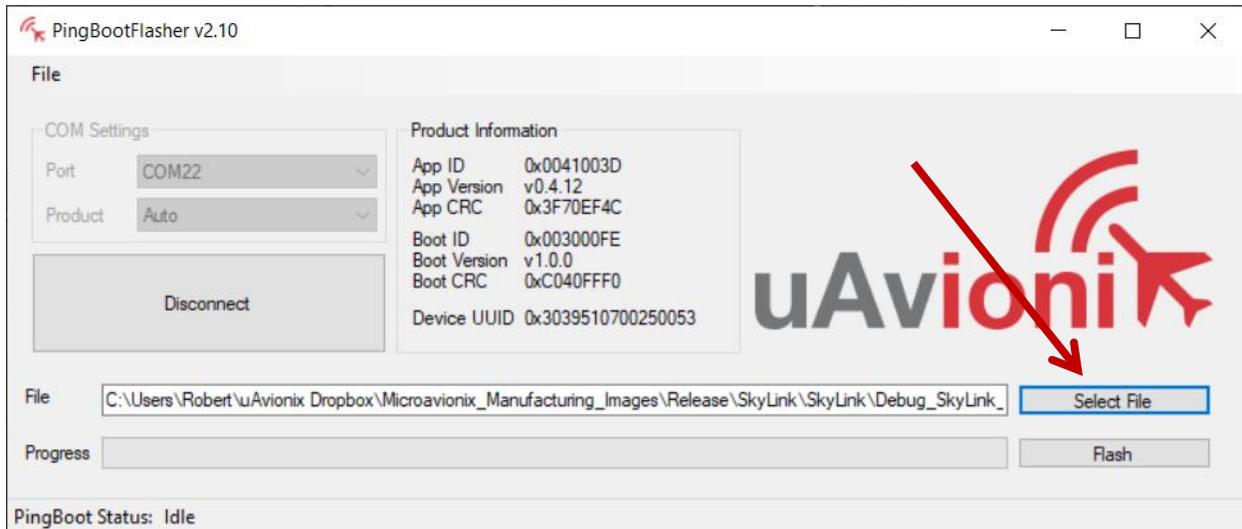
Before performing these procedures, download the appropriate firmware files and save them somewhere known on your PC.

1 ARS Radio Firmware Update

DO NOT POWER ON RADIO WITHOUT ANTENNA OR RF LOADS ATTACHED

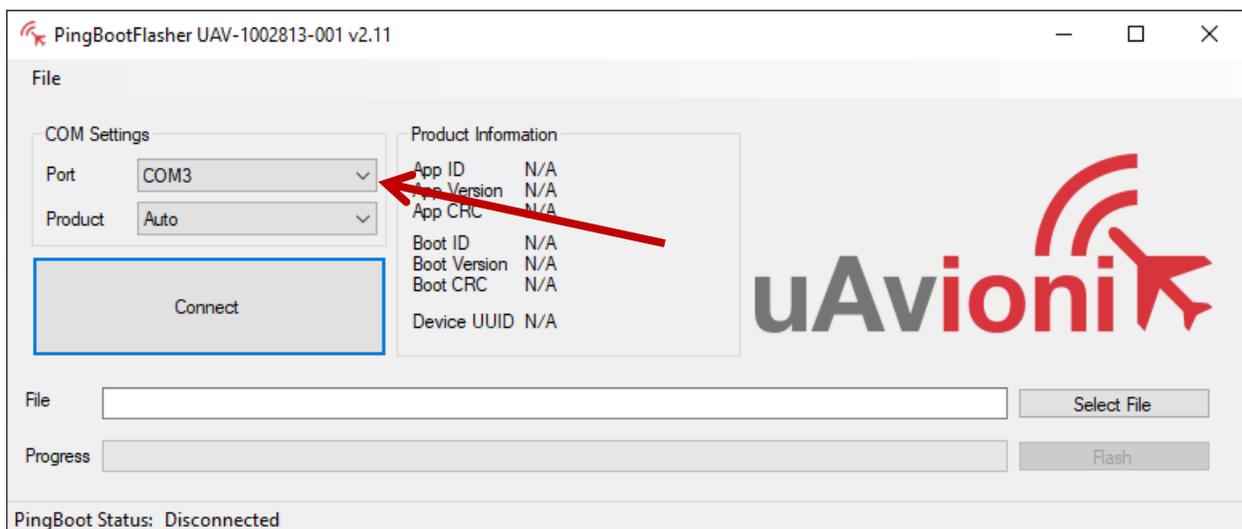
The ARS Radio firmware is updated using the pingBootFlasher application.

Open PingBootFlasher and press Select File and select the correct firmware file.

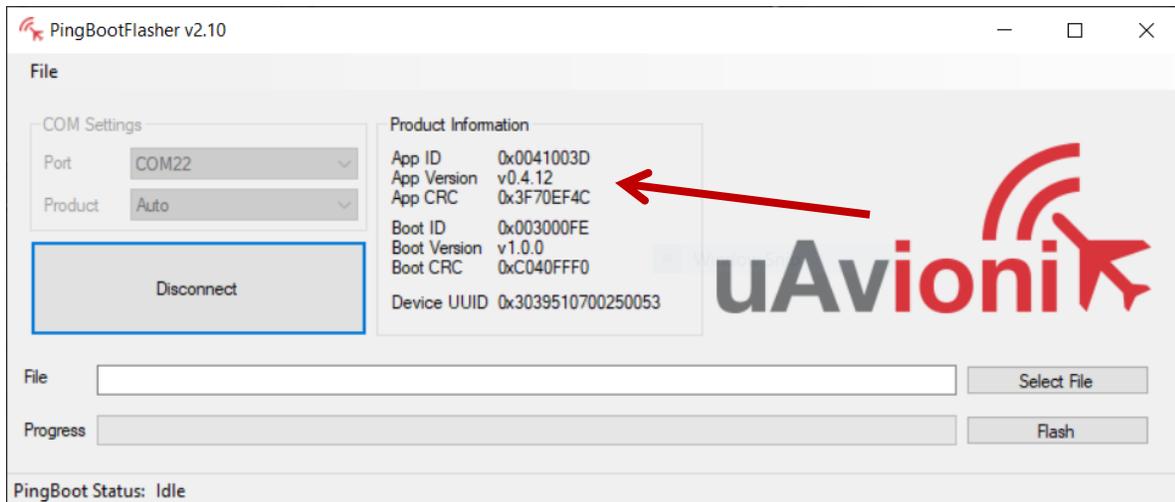


Connect the ARS via the CTRL port to a PC using the provided serial to USB adapter. Supply 12-32v of power to the radio.

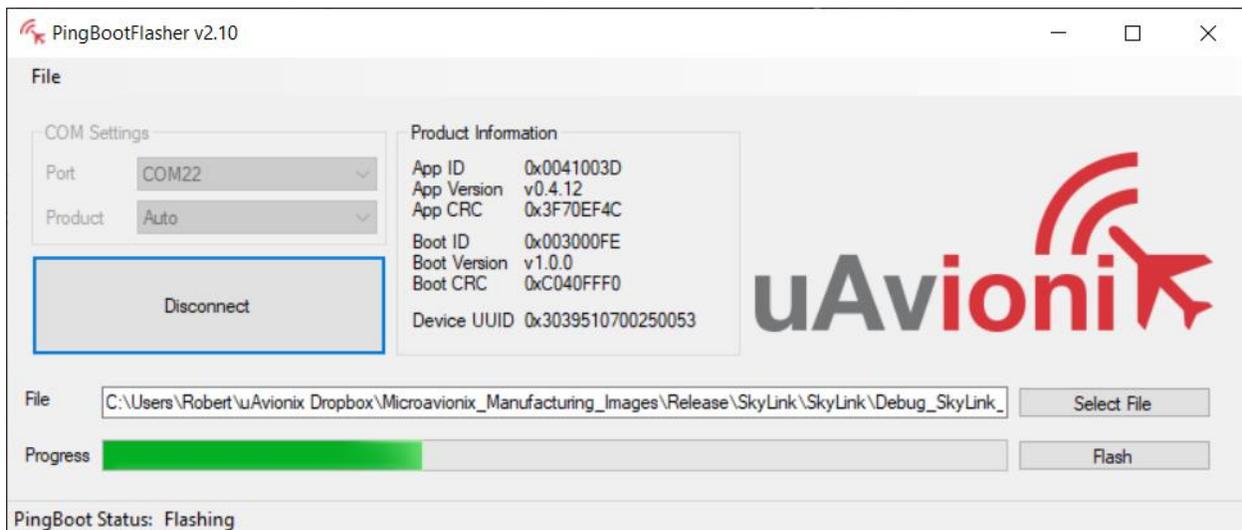
On the pingBootFlasher application, select the proper COM port from the "Port" dropdown.



Press “Connect.” When the ARS is connected, the Product Information window will populate with the current radio information and the PingBoot Status in the bottom left will change to “Idle.”



Press “Flash”. DO NOT power off or disconnect the device until the flash is complete.



2 HUB Firmware update

The HUB firmware is updated through the HUB Landing page. The HUB Landing page is accessed via web browser from a PC or mobile device on the same Local Area Network (LAN) as the powered SkyLink Hub. The IP address assigned by the DHCP server is the base URL. An IP scanner, such as Advanced IP Scanner, can be used to find the IP address of the Hub. MAC addresses are printed on the Hub label.

Use an IP scanner to find the IP address of the SkyLink HUB. Navigate to <http://###.###.###.###/>

Status	Name	IP	Manufacturer	MAC address	Comments
▶	JCO-MS-216P	192.168.2.249		0471.4B.10.08.CA	
▶	192.168.2.100	192.168.2.100		0471.4B.10.08.D9	
▶	192.168.2.248	192.168.2.248		0471.4B.10.08.F8	
▶	DESKTOP-H4DZV0N	192.168.2.218	Intel Corporate	04D3.807D.64.C8	
▶	LAPTOP-G8K25TH	192.168.2.195		0871.50.9C.CE.98	
▶	192.168.2.63	192.168.2.63	Next Labs Inc.	18.8A.30.F9.31.7D	
▶	UBNT EdgeSwitch	192.168.2.242	Ubiquiti Networks Inc.	18.E8.20.5E.27.66	
▶	CC-DP3371	192.168.2.207		28.68.35.59.05.6A	
▶	DESKTOP-V5G6Q56	192.168.2.176		28.68.35.65.0E.CD	
▶	BRN3J19015K3	192.168.2.144	Belkin International Inc.	30.23.03.8D.49.9F	
▶	DESKTOP-RH6GP1O	192.168.2.108	Intel Corporate	34.E1.3D.CF.77.88	
▶	LAPTOP-D99PT4UC	192.168.2.117	Formlabs	38.0A.A8.04.84.43	
▶	BRN3CAF6888A3	192.168.2.98	Brother Industries, LTD.	3C.0A.F4.6B.88.A3	
▶	DESKTOP-V5G6Q56	192.168.2.170	Dell Inc.	54.48.10.04.3E.CE	
▶	192.168.2.192	192.168.2.192		54.6F.71.00.00.72	
▶	LAPTOP-86K7SMM6	192.168.2.208		54.6F.71.00.00.C0	
▶	192.168.2.173	192.168.2.173		54.6F.71.00.00.86	
▶	192.168.2.37	192.168.2.37		54.6F.71.00.00.02	
▶	192.168.2.137	192.168.2.137		54.6F.71.00.00.03	
▶	192.168.2.245	192.168.2.245		54.6F.71.00.00.04	
▶	192.168.2.6	192.168.2.6		54.6F.71.00.00.05	
▶	RNP5838791C244	192.168.2.233	RICOH COMPANY, LTD.	58.38.79.1C.62.44	
▶	DESKTOP-1E14LNU	192.168.2.190	Dell Inc.	6C.0B.59.61.6D.9F	
▶	LAPTOP-D99PT4UC	192.168.2.149		6C.CD.D6.A9.EA.4C	
▶	LAPTOP-IATDF6X	192.168.2.142		70.88.68.87.9C.AA	
▶	UNI-F48B8C0405H	192.168.2.224		70.88.68.89.50.18	
▶	DESKTOP-AQSDMBC	192.168.2.227		70.88.68.89.50.7D	
▶	LAPTOP-CJNG8RSC	192.168.2.209		70.88.68.89.CA.15	
▶	LAPTOP-GTDC5665	192.168.2.133		70.88.68.8A.ED.24	
▶	LAPTOP-CZEVN8CC	192.168.2.243		70.88.68.8B.A1.04	

Navigate to the HUB Landing page

Name	Value
Up Time	2w:4d:23h:8m:29s
GPS Fix	4
Num GPS Sats	12
Latitude	48.0275296
Longitude	-122.0705152
GPS Altitude	277
PPS Detected	true
SkyLine Up Time	23h:42m:32s
User Skt Up Time	0s
Chl Skt Up Time	0s
Mission Timeout	0

Click "Update" Next to the SkyStation Version.



Firmware Information

SkyStation Version: V 0. 0.17 [Update](#)
Radio Version: V--- [Update](#)
RadioID: ---
DNS Server: 192.168.2.1

Settings

Skyline Information

Websocket URL:

Datamux Information

IP Address: (0.0.0.0 for listen)

User Port:

Control Port:

[Network Configuration](#)

Choose the appropriate file to upload and click "Start Update."

Firmware Update

Update file transfer complete. Rebooting...

SkyStationF7_V0.0.5.uav

[Main Page](#)

DO NOT power off or disconnect device until update is complete. Status will read "Rebooting" when update is complete.

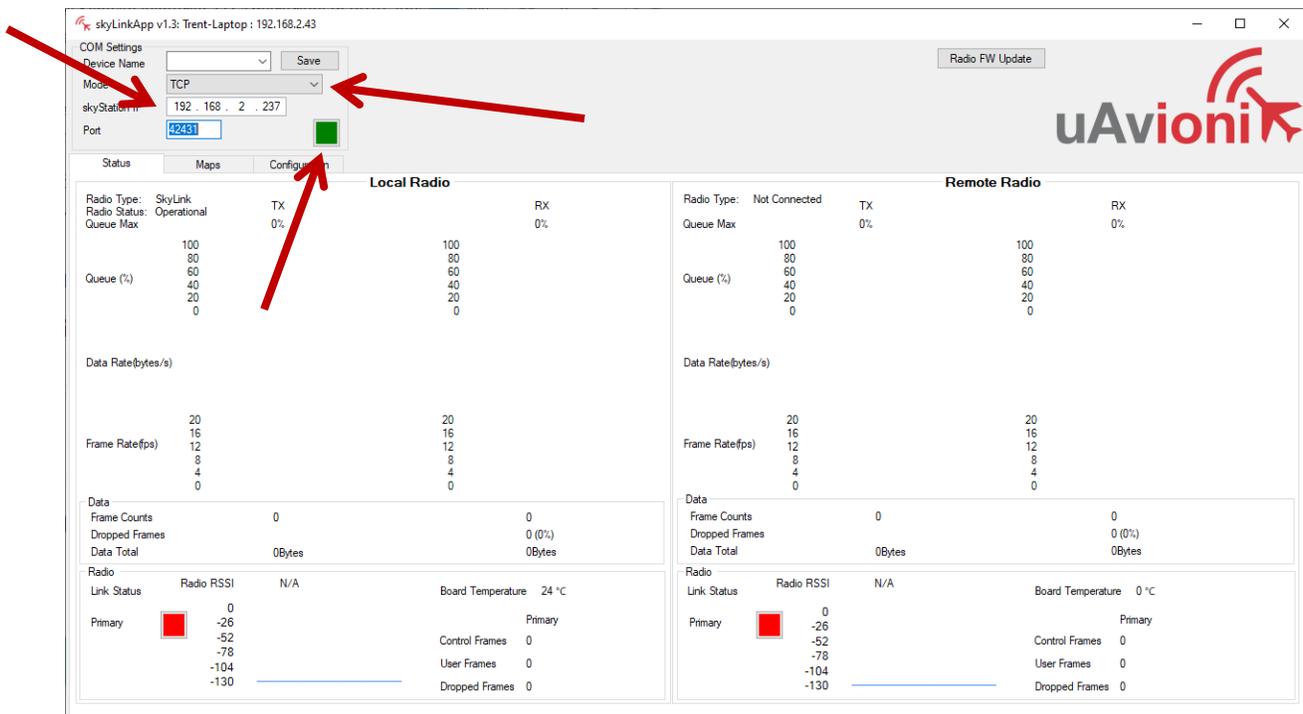
When the file transfer is complete, click the Main Page link to return to the SkyLink Hub Settings page. The version number on the Configuration Webpage should reflect the firmware version uploaded.

3 GRS Radio Firmware Update

DO NOT POWER ON RADIO WITHOUT ANTENNA OR RF LOADS ATTACHED

The GRS Radio firmware can be updated via the SkyLinkApp (via network) or the PingBootFlasher (via serial). To update the GRS Radio with PingBootFlasher, follow the same procedures as the ARS Radio Firmware. To perform update using the SkyLinkApp method, follow these procedures.

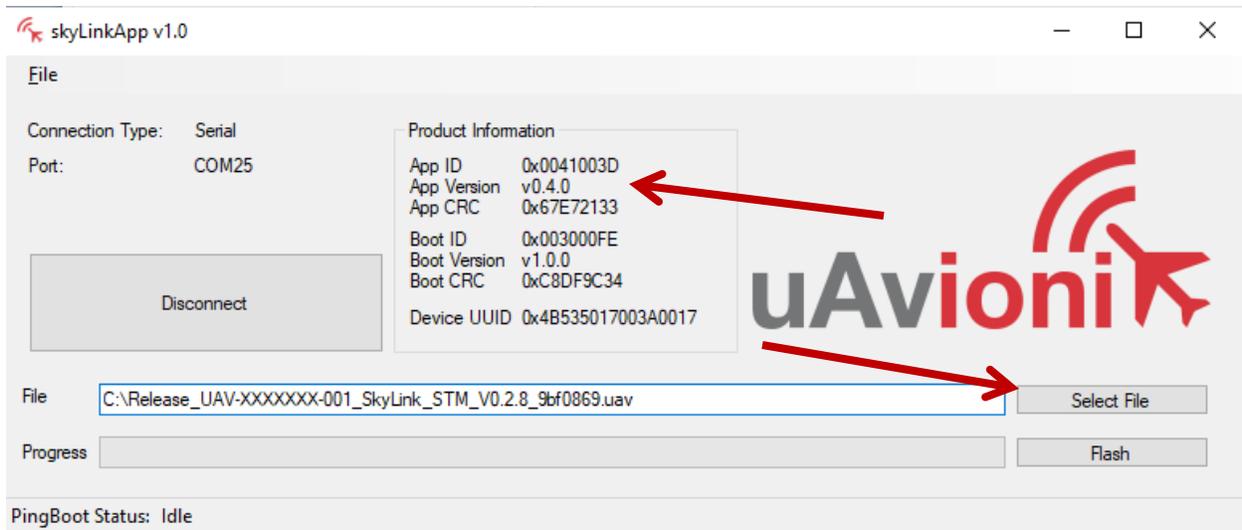
Connect the GRS to the SkyLinkApp by entering the IP address of the connected skyLink HUB found by using and IP Scan. Mode dropdown should be “TCP.” Status indicator box will be green when connection has been established.



Press “Radio FW Update” in the upper right corner of SkyLinkApp. A new window will open.

Press “Select File” and select the correct firmware file.

Press “Connect.” When the GRS is connected, the Product Information window will populate with the current radio information and the PingBoot Status in the bottom left will change to “Idle.”



Press "Flash." DO NOT power off or disconnect the device until the flash is complete.