

How to use SPHD in A3 Repeater Mode

Introduction:

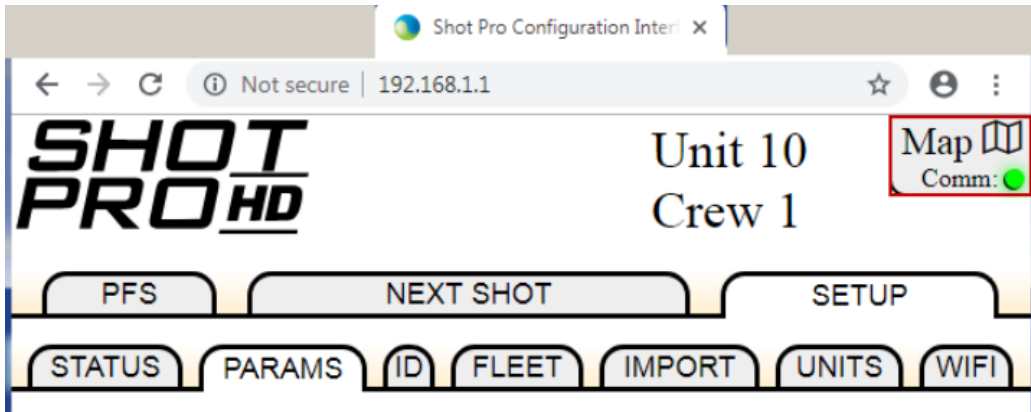
The Shot Pro HD system can be used in A3 Repeater Encoder Mode. This mode of operation is designed to solve the radio reception problems in very mountainous areas. The Shot Pro HD unit in the CRS must be set in A3 Repeater Encoder Mode and any other SPHD unit available in the field can be set as repeating Decoder. The SPHD can be placed into A3 Repeater Encoder Mode by changing the mode of operation using Wi-Fi Web User Interface.

Steps to do:

1. Connect your computer using wifi to SPHD Encoder as shown below:



2. Open the web browser and type in the IP address 192.168.1.1 into browser's address bar . Click Enter to load the page. It is recommended to add this 192.168.1.1 page to the browser's favorites. Make sure the Firmware and Web Page version of the SPHD are updated as shown below.



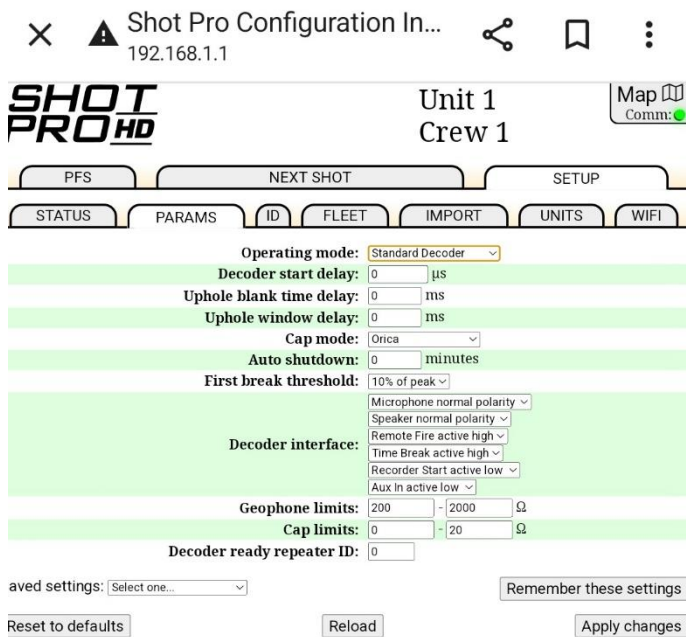
Serial number: 8071
Firmware: 27.05
GPS time status: locked
GPS position: 28° 22' 17.09" N, 76° 54' 41.00" E (7 sats)
System time: 2023/06/27 05:22:48
BoLA build time: 2019/02/13 21:49
Platform version: 4.2.1.0
MAC address: DE:4F:22:39:A0:5A
Web page version: Shot Pro Configuration Interface v1.21

- Automatically receive new shots from the Shot Pro
- Automatically show new shots as they are received
These options take effect immediately.

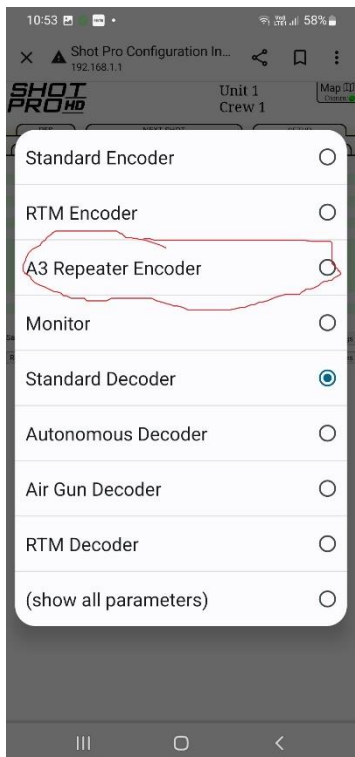
Reload

Apply changes

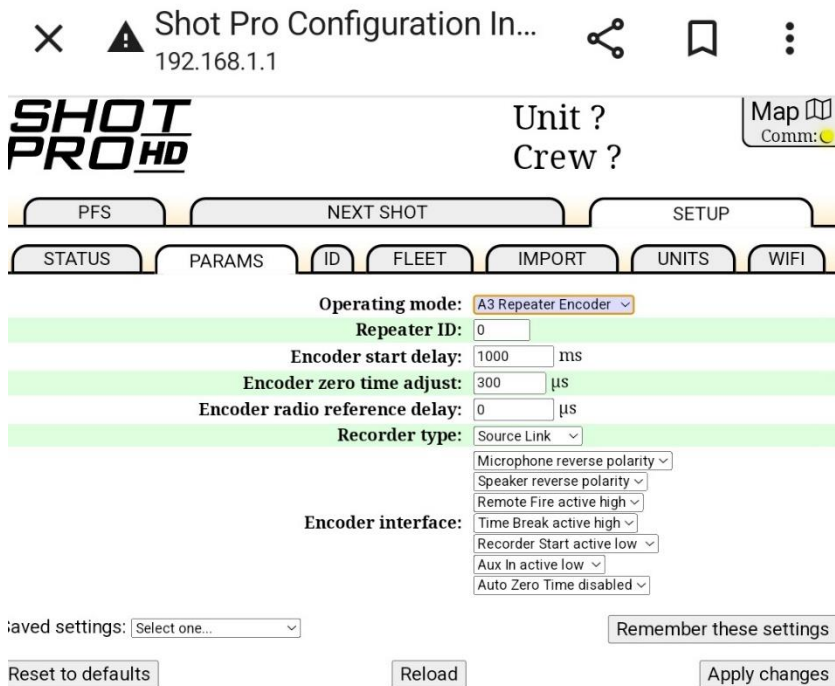
3. Select Setup – parameters as shown below:



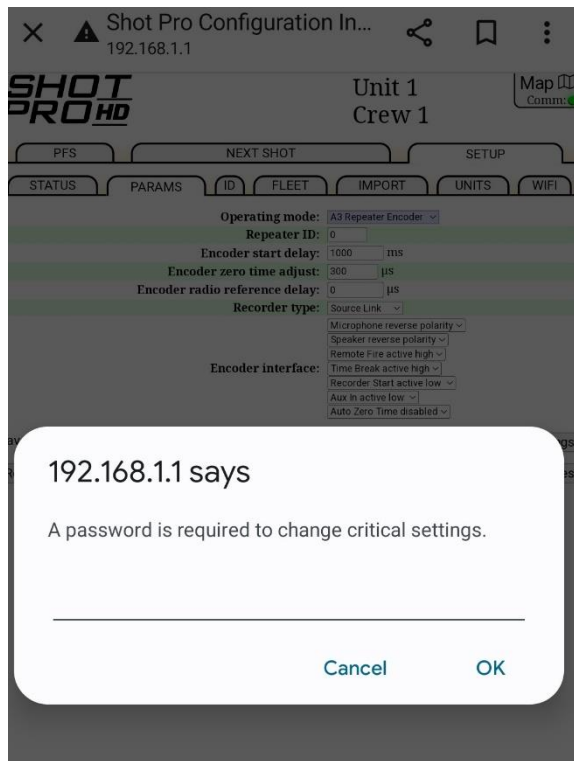
4. Select Operating Mode as – A3 Repeater Mode as shown below:



5. Press "Apply Changes" as shown below



6. Enter Password as "ShotProHD" (case sensitive)



7. Login similar way to SPHD decoder and enter Unit ID of the Decoder which acts as a Repeater Decoder as shown below: Apply Changes as explained above.

Decoder Ready Repeater ID	Enter the Unit ID# of the Decoder which acts as Repeater Decoder for Ready messages.
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✕
▲ Shot Pro Configuration In...
192.168.1.1
🔗
🔖
⋮

Unit 1

Crew 1

Map 📍

Comm: 🟡

PFS
NEXT SHOT
SETUP

STATUS
PARAMS
ID
FLEET
IMPORT
UNITS
WIFI

Operating mode: Standard Decoder ▾

Decoder start delay: 0 μs

Uphole blank time delay: 0 ms

Uphole window delay: 0 ms

Cap mode: Orica ▾

Auto shutdown: 0 minutes

First break threshold: 10% of peak ▾

Decoder interface:

Microphone normal polarity ▾

Speaker normal polarity ▾

Remote Fire active high ▾

Time Break active high ▾

Recorder Start active low ▾

Aux In active low ▾

Geophone limits: 200 - 2000 Ω

Cap limits: 0 - 20 Ω

Decoder ready repeater ID: 0

Saved settings: Select one... ▾

Remember these settings

Reset to defaults

Reload

Apply changes