1. Configuring the IFD as a WAP

When configuring the IFD as a WAP, it is necessary to define the SSID (i.e. the name of the network) and a PSK (i.e. the network password). The factory default settings are "LIO_WIFI" for the SSID and "abcdef1234" for the password. When configured as a WAP, the IFD ignores the IP address field. In order to configure the IFD as a WAP, proceed as follows:

To configure the Mode

- 1. Boot the IFD to Maintenance mode.
- 2. Select the "Config" tab.
- 3. Turn the right knob until the "Network Configuration" Page is displayed as shown in the image below.

12/15	Network Configu	03/01/2018 21:25:10z uration
	SSID LIO_WIFI	
	PSK abcdef1234	
	Mode Local Wi-Fi	
	Update Logs Status	Diag Config Item 📀 Select

Figure 24 Network Configuration Page

- 4. If the "Mode" value is not set to "Local WiFi", press the lower right knob and use the outer knob to select the mode value.
 - a. Once selected, use the inner knob to change the value to "Local Wi-Fi"
 - b. Press the knob again to exit edit mode.

To configure the network name (SSID)

- 1. Boot the IFD to Maintenance mode.
- 2. Select the "Config" tab.
- 3. Turn the right knob until the "Network Configuration" Page is displayed as shown in the image below.

12/15			03/01/20	18 21:25:10z				
	Network Configuration							
	SSID	LIO_WIFI						
	PSK	abcdef1234						
	IP	127.0.0.1						
	Mode	Local Wi-Fi						
	Update	Logs Status	Diag Config	ltem 🕞 Select				

Figure 25 Network Configuration Page

- 4. Press the lower right knob
- 5. Using the outer right knob, advance the selection rectangle until the current SSID field is selected as shown:

12/15		latuark Carfin	03/01/20	18 21:27:23z
	SSID PSK IP Mode	LIO_WIFI abcdef1234 127.0.0.1 Local Wi-Fi		
	Update	Logs Status	Diag Config	ltem 💽 Select

Figure 26 Network Configuration Page

- 6. Press the right knob
- 7. The inner knob can now be used to advance through the available characters. The outer knob will advance to the next character in the name.

NOTE: One of the possible character selections is a space character. Spaces at the end of the name will not be contained in the final name. In other words, "NAME<SP><SP>" will present a network name of "NAME".

8. Press the right knob to complete the edit

To configure the network password (PSK)

- 1. Boot the IFD to Maintenance mode.
- 2. Select the "Config" tab.
- 3. Turn the right knob until the "Network Configuration" Page is displayed as shown in the image below.

12/15	1	Network Col	nfiguratio	03/01/20 on	18 21:36:	55z
	SSID PSK IP	Mylfd abcdef1234 127.0. 0.	1			
	Mode	Local Wi-Fi				
	Update	Logs State	us Diag	Config	Page 💽 Se	elect

Figure 27 Network Configuration Page

- 4. Press the lower right knob
- 5. Using the outer right knob, advance the selection rectangle until the PSK field is selected as shown:

12/15		Network	(Config	guratio	03/01/20 on	18 21:37:59z
	SSID PSK IP Mode	Mylfd abcdef12 127 . 0 . Local Wi	34 0. 1 -Fi			
	Update	e Logs	Status	Diag	Config	ltem 💽 Select

Figure 28 Network Configuration Page

- 6. Press the right knob
- 7. The inner knob can now be used to advance through the available characters. The outer knob will advance to the next character in the PSK.

NOTE: One of the possible character selections is a space character. Spaces at the end of the PSK will not be contained in the final PSK. In other words, "PASSWORD<SP><SP>" will present a network PSK of "PASSWORD". **NOTE**: Non empty PSKs must contain at least 8 characters. If there are fewer than 8

characters, the system will fill missing characters with a '?' character. **NOTE**: Empty PSKs are allowed though not recommended.

8. Press the right knob to complete the edit.

2. Configuring the IFD as a Client to an External WAP

In some cases, an aircraft may have an existing WAP in use. For example, some aircraft may be accustomed to connecting 3rd party iPad applications to a Stratus ADS-B receiver. These pilots will likely wish to also have access to the IFD from their iPads. In order to achieve this configuration, the IFD must be configured to connect to the Stratus receiver. This will allow tablet devices to access data from both the Stratus and the IFD simultaneously.

To configure the Mode

- 1. Boot the IFD to Maintenance mode.
- 2. Select the "Config" tab.
- 3. Turn the right knob until the "Network Configuration" Page is displayed as shown in the image below.

12/15		03/01	/2018 21:43:28z
	Network	Configuration	
	SSID LIO_WIFI PSK abcdef12 IP 127.0. Mode Remote V	34 0. 1 Vi-Fi	
	Update Logs	Status Diag Config	ltem 💽 Select

Figure 29 Network Configuration Page

- 4. If the "Wifi Mode" value is not set to "Remote", press the lower right knob and use the outer knob to select the mode value.
 - a. Once selected, use the inner knob to change the value to "Remote Wi-Fi"
 - b. Press the knob again to exit edit mode.

Designate the Network to Connect To:

- 1. Boot the IFD to Maintenance mode.
- 2. Select the "Config" tab.
- 3. Turn the right knob until the "Network Configuration" Page is displayed as shown in the image below.

12/15		Network Co	onfigurati	03/01/20 ion	18 21:43:28z
	SSID PSK IP Mode	LIO_WIFI abcdef1234 127 . 0 . 0 Remote Wi-Fi	. 1		
	Updat	e Logs Sta	atus Diag	Config	ltem 💽 Select

Figure 30 Network Configuration Page

- 4. Press the lower right knob
- 5. Using the outer right knob, advance the selection rectangle until the SSID field is selected as shown:

12/15				03/01/2018	21:46:43z
	1	on			
	SSID	LIO_WIFI			
	PSK	abcdef1234			
	IP	127.0.0.	Ť		
	Mode	Remote Wi-Fi			
	Update	Logs Statu	us Diag	Config Ite	em 💽 Select

Figure 31 Network Configuration Page

- 6. Press the right knob
- 7. The inner knob can now be used to advance through the available characters. The outer knob will advance to the next character in the name. Set this field to the name of the

remote network to which you wish to attach. This will be provided by the device that supplies the network.

8. Press the right knob to complete the edit.

Configure the network password (PSK)

NOTE: This value will be supplied by the device to which you are attempting to connect.

- 1. Boot the IFD to Maintenance mode.
- 2. Select the "Config" tab.
- 3. Turn the right knob until the "Network Configuration" Page is displayed as shown in the image below.

12/15	Network Configuration	03/01/2018 21:50:52z 1
	SSID Stratus2s00157	
	PSK abcdef1234	
	IP 127.0.0.1	
	Mode Remote Wi-Fi	
		Config Page Select
	Opuale Logs Status Diag	Sonny rage Select

Figure 32 WiFi Configuration Page

- 4. Press the lower right knob
- 5. Using the outer right knob, advance the selection rectangle until the Remote PSK field is selected as shown:

12/15					03/01/20	18 21:53:02z
		Network	Config	juratio	on	
	SSID	Stratus2s	00157			
	PSK	stratusSe	ecret			
	IP	127.0.	0.1			
	Mode	Remote V	Vi-Fi			
	(The second		Otation	Disc	Confin	
2	Update	Logs	Status	Diag	Config	item 🕒 Select

Figure 33 Network Configuration Page

- 6. Press the right knob
- 7. The inner knob can now be used to advance through the available characters. The outer knob will advance to the next character in the PSK.

NOTE: One of the possible character selections is a space character. Spaces at the end of the PSK will not be contained in the final PSK. In other words, "PASSWORD<SP><SP>" will present a network PSK of "PASSWORD".

NOTE: Non empty PSKs must contain at least 8 characters. If there are fewer than 8 characters, the system will fill missing characters with a '?' character. **NOTE**: Empty PSKs are allowed though not recommended.

8. Press the right knob to complete the edit