

Connect Avalon Offshore to an Iridium Go!

Avalon Offshore for iOS Avalon Offshore for Android

Oct 18, 2019

Introduction Automatic Process

Introduction

We have just introduce an automatic process to retrieve weather data via an Iridium Go. This automatic process is available from version 3.8.4 on iOS and Android.

This documents describes the new automatic process. The previous manual process description has been removed from this doc as the new method is much simpler.

Automatic Process

From Avalon Offshore version 3.8.4 onwards, available on both iOS and Android.

It works with the two "Special Iridium" sources already included in our Premium Option: NOAA GFS 1 degree (for transoceanic passages) and Meteo France Arpege 0.1 degree (for mid distances cruises) around Europe. We will add more "Special Iridium" sources in all regions where it makes sense (Carribean for exemple).

Step 0: In Avalon, select a "Special Iridium" wind source: Meteo France Arpege or NOOA GFS 1 degré.

It is recommended to do this before departure, when you have a sound Wifi or 4G network.



9:59 Fri 4 Oct	₩i-Fi
Q Search	Wi-Fi Vi-Fi IRIDIUM-30044 Unsecured Network r (1)
PJ Phil Apple ID, iCloua, ITunes & App Store	CHOOSE A NETWORK SFR_B0A0
Airplane Mode Solution Wi-Fi IRIDIUM-30044	Other
Bluetooth Off Image: Mobile Data Image: Compare the second secon	Ask to Join Networks Known networks will be joined automatically. If no known networks are available, you will have to manually select a network.
Notifications Sounds	
Do Not Disturb Screen Time	

Step 2: Connect the tablet/phone to your Iridium Go network

Step 3: Go to Avalon main menu and select Iridium as the connection mode.

An "Iridium Go" icon appears.



Step 4: Tap on the Iridium Go Icon and check the connection parameters

16:26 Mon 30 Sep			•••II 🗢 🖲 61 % 🔳 🤊
USER		guest	
PASSWORD		guest	
Check status)		
Connect to internet			
Disconnect from internet			

Step 5: Tap on "check status" to verify the quality of the satellite signal (should be 4 or 5).

16:27 Mon 30 Sep		ull 🗢 @ 61 % 🔳 🤊
K Back		
USER	guest	
PASSWORD	guest	
Check status Connect to internet Disconnect from internet	Checking status Receiving reply Received reply No error Internet status : Unknown IRIDIUM signal : 5	

Step 6: If you get a good quality signal (4 or 5), tap on "Connect to Internet" to establish the connection.

16:27 Mon 30 Sep		•1 🗢 ֎ 61 % 🔳) [,]
USER	guest	
PASSWORD	guest	
Check status Connect to internet Disconnect from internet	Starting connection Receiving reply Received reply No error, check status for connection ready status Message: Activating internet services	

Step 7: Tap on compute route (the "Isochron icon", 3rd icon from the right at the top of the screen). and tune the parameters.

- Select the approximative remaining cruise time. This figure will determine the length of wind data to be loaded. Here, we are cruising to the balearies so there is no need to download 72 hours of forecasts.
- Select "Start at my position".
- Deselect loading of other weather forecasts: waves, currents and other weather data. This data is not "Iridium ready"..... yet.
- Tap on compute route if you are OK with the volume of data to be downloaded.

7:00 Mon 30 Sep < Back			Route setting	s and	comput	e		nii 🗢 🖲 🕈 52 %
Compute route		Advanced settings			Compute best start			Racing settings
Time between heading chg	15	mn	Compute time	limit		120	s	
Target zone size	0,1	nm	Waypoint zone	size		1	nm	
Cruise duration	24	hrs						
Wind max speed	70	kts	Start at my pos	ition				
Motoring speed	6	kts					kts	
Polar efficiency	100	%	Wa Confirm down	rning load of	18.88 KB		%	
Use currents		D				(
Load weather		D	Ok		Cancel		m	
Force wind refresh			Show details					
Starting date			Today	17	00			

The download will take 2 minutes.

If a satellite loss occurs during the transmission, the system will reconnect after 90 seconds and restart the download where it stopped. No data gets lost.

The internet session is automatically closed at the end of the downloading. You can switch off your Iridium Go.

You can now analyze the latest forecast and recompute an updated route..