

ADL140 ADL150(B) ADL190 ADL200 WiFi Manual

(Not applicable for ADL110B, ADL120 and ADL130 devices)

Version 0.90

18.06.2019

1 Version History

Version 0.90 published 18.06.2019

2 General Description

This manual applies to ADL140, ADL150(B), ADL190 and ADL200 devices only. Previous ADL110B, ADL120 and ADL130 devices use a different WiFi system.

3 WiFi Operation

When powering up the ADL devices they start to operate as a WiFi access point with SSID "ADL Connect" and no password. Clients can then connect to this WiFi and communicate with the ADL device using the ADLConnect app.

Starting with firmware version 8.40 the ADL devices are capable of operating either as a WiFi access point or a WiFi client. Please note no matter what you enter in the WiFi configuration for the first 90 seconds after the start of the ADL device it will always operate as a WiFi access point with SSID "ADL Connect". This allows you to access the device in case something with the WiFi client configuration is wrong. You can then change this configuration and save it before the device even gets into the WiFi client mode.

4 WiFi Configuration

The WiFi configuration can be access using the ADLConnect app. Once connected to an ADL device with firmware 8.40 or later go to the Config page of the app. There you will see the hardware configuration as follows:

No SIM Iridium 📶 GPS	.al	13:43	18.06.2019 11:43 UTC 🛛 🕈 100 % 🚃 +
Expert Config	System Configuration		Load Sample Data
			-
RS232 GDL90	Active (Default)	Inactive	
RS232 Baud Rate	9600 (D) 19200 38400	57600 115200	
WiFi GDL90	Active (Default)	Inactive	
WiFi Mode	Access Point (Default)	Client	
WiFi SSID			
WiFi Password	WiFi Mode Cli		
WiFi Subnetmask			
	Save and Reboot ADL	Cancel Changes	
System Status	Iridium:0 GPS:0		
Current WiFi	ADL Connect		
App version	v8.41 16.06.2019		
Device Firmware	v8.40 03.06.2019		
	O-" METAR/TAF	COWNLOAD	MSG 🤔 CONFIG

The image above shows the default configuration. The device will run as a WiFi access point in a similar way than before using older firmware versions.

If you would like the ADL device to run as a client please follow the next steps:

4.1 Determine the WiFi SSID and subnet mask

The easiest solution is to log into the WiFi with theiPad and then select the small "i" symbol next to the WiFi name. Then you can see the SSID (also known as the WiFi name9 and the subnet mask. Please write down those values and pay special attention to spaces in the SSID.

No SIM 🕲		13:44		1 100 % 🚃
Settings		🗙 Wi-Fi	iPhone von Sebastian	
Apple ID, iCloud, iTunes & App S	itore			
Apple ID Suggestions	_	Forget This Netwo	rk	
Finish Setting Up Your iPad	•	Auto-Join		
Airplane Mode	0	IPV4 ADDRESS		
	- Coloradian	Configure IP		Automatic >
WI-FI IPhone Vo	n Sebastian	IP Address		172.20.10.6
8 Bluetooth	Off	Subnet Mask		255.255.255.240
(979) Mobile Data	No SIM	Router		172.20.10.1
C Notifications		RenewLease		
Control Centre				
C Do Not Disturb		DNS		
		Configure DNS		Automatic >
6 General	0	HTTP PROXY		
A Display & Brightness		Configure Proxy		Off >
Wallpaper				

4.2 Connect the iPad to the new WiFi

Connect the iPad to the ADL Connect WiFi and start the ADLConnect app to make the changes.

No SIM		13:42	100 % 💷
Settings		Wi-Fi	
Apple ID, iCloud, iTunes	s & App Store		
Apple ID Suggestions	a >	Wi-Fi	
	-	ADL Connect No Internet Connection	* (j)
Finish Setting Up Your iPad	1 >	CHOOSE A NETWORK	
		AliceimWlan	۵ 🗢 🚺
🔁 Airplane Mode	\bigcirc	DIRECT-11-HP OfficeJet Pro 8710	≜
🕤 Wi-Fi	ADL Connect	KabelBox-4264	a ₹ (j)
Bluetooth	Off	Okraschote	≜ ₹ (j)
Mobile Data	No SIM	SchulleRockLan	a 🤋 🚺
		tuxnetz	a ≈ (j)
Notifications		Vodafone Homespot	₹ ()
Control Centre		Vodafone Hotspot	? ()
C Do Not Disturb		Vodafone-16AC	≜ ≑ (j)
-	1.25	Vodafone-E024	ê 후 (j)
General	0	WLAN-345645	≜ ? (j)
A Display & Brightness		WLAN-345645 5	≗ ? (j)
🛞 Wallpaper		WI AN UDDTEVI I	a = (i)

4.3 Configure the ADL device

Make the configuration as follows. Select WiFi Mode "Client". Enter the SSID of the target network. Enter the password for this network. Empty password means no password required. Enter the subnet mask with the - and + buttons. Pay special attention to get this setting right. The most common setting will be 255.255.255.0 Finally you can press "Save and Reboot ADL" to save the changes and reboot the ADL device.

No SIM Iridium 📶 GPS		13:46	18.06.2019 11:46 UTC 🕣 100 % 🚥 🕂
Expert Config	Sy	stem Configuration	Load Sample Data
	Active (Default)	Inactive	-
RS232 Baud Rate	9600 (D) 19200 38	400 57600 115200	
WiFi GDL90	Active (Default)	Inactive	
WiFi Mode	Access Point (Default)	Client	
WiFi SSID	iPhone von Sebastian		Ĵ
WiFi Password	•••••		j
WiFi Subnetmask	255.255.255.	240]
	Save and Reboot ADL	Cancel Changes]
System Status	Iridium:0 GPS:1		-
Current WiFi	ADL Connect		
App version	v8.41 16.06.2019		
Device Firmware	v8.40 03.06.2019		
IMEI	300234064905150		
		DOWNLOAD	MSG 🤔 CONFIG

No SIM Iridium 2 GPS	+	13:46	18.06.2019 11:46 UTC 🕣 100 % 📖 +
	System Configuration		
RS232 GDL90		Inactive	
RS232 Baud Rate	9600 (D) 19200	38400 57600 115200	
WiFi GDL90		Inactive	
WiFi Mode	Access Point (Default)	Client	
WiFi SSID	iPhone von Sebast		
WiFi Password	•••••	Save and Reboot ADL? Really save a new ADL hardware	
WiFi Subnetmask	255.	device?)
	Save and Reboo	Save and Reboot ADL	
		Cancel	
System Status	Iridium:0 GPS:1		-
Current WiFi	ADL Connect		
App version	v8.41 16.06.2019		
Device Firmware	v8.40 03.06.2019		
IMEI	300234064905150		
	O-" METAR/TA	F 💕 DOWNLOAD	MSG CONFIG

4.4 Rebooting the ADL device

The ADL device should reboot. In some rare cases it might be necessary to perform a hard reboot by interrupting the power supply shortly.

4.5 Connect the iPad to the new WiFi

Connect the iPad to the target WiFi, enter the ADL Connect app and wait until a connection with the ADL device is established. This will take at least 90 seconds as the ADL device will first boot up the ADL Connect WiFi for 90 seconds.

No SIM 🐵		13:48	100 % 📖 -	
Settings		Wi-Fi		
Apple ID, iC	Cloud, iTunes & App Store			
Apple ID Suggestic	ons <u>3</u> >	Wi-Fi		
		 iPhone von Sebastian 	• © (j)	
Finish Setting Up Y	four iPad 🚺 >	CHOOSE A NETWORK		
Airplane Moo	te O	DIRECT-11-HP OfficeJet Pro 8710	• ÷ (Ì)	
	iDhana uan Cabaatian	tuxnetz	€ ? ()	
wieri	IPhone von Sebastian	Vodafone Hotspot	₹ (i)	
Bluetooth	Off	WIFI-Repeater	≜ ╤ (j)	
Mobile Data	No SIM	WLAN-345645	• ≈ (Ì)	
Notifications		WLAN-345645 5	₽ \$ (Ì)	
Notifications		WLAN-HPBT5KI_J	≗ ≎ (i)	
Control Cent	re	Other		
Do Not Distu	rb			
General		Ask to Join Networks	\bigcirc	
Display & Prinktness		Known networks will be joined automatically. If no known networks are available, you will have to manually select a network.		
Wallpaper				



4.6 Recovery procedure

If anything goes wrong you can hard reset the ADL device with the power supply and then you have 90 seconds to log in to the "ADL Connect" WiFi and change the settings.

4.7 Continuous use

The WiFi setting will be saved and on each new start the 90 second mechanism will repeat and then the ADL device will try to connect as a client to the configured WiFi.

5 Contact

Golze Engineering Dr. Sebastian Golze Bredowstr. 29 10551 Berlin

http://www.ing-golze.de

adl@ing-golze.de +49 30 39805204