

# AMVision InsightRT2 Peplink Bonded Cellular Setup Guide

## **Using Wi-Fi**

### **Important Connection Note:**

The InsightRT2 will default to the Peplink UBR-LTE network as long as it is physically connected via ethernet cable to any Peplink LAN port. By default AMV connects the cable to LAN Port 1 when the unit is shipped. (To have the InsightRT2 work on any other wifi network the users <u>must disconnect</u> the ethernet cable from the Peplink LAN1 port.)

AMV does not ship the Peplink UBR LTE with SIM cards, it is assumed the end user will supply the SIM cards to the carrier of their choice. Recommended carriers include AT&T, Verizon, T-Mobile(Sprint) or FirstNet.

This Peplink UBR-LTE device is able to utilize up to 4 SIM cards from 2 different providers, working in pairs for high and low band coverage simultaneously on both providers to optimize your connection at all times. The device is also capable of working successfully on fewer SIM cards with reduced available connections.

AMV cannot guarantee connections to cellular signals which remains true during emergency situations. By using all 4 SIM cards you will have the best chance at maintaining a strong enough signal to work in the most remote or crowded situations possible.

#### HOW TO "CONNECT TO", AND CONFIGURE YOUR PEPLINK UBR LTE

Users can connect using either WiFi or Ethernet. To connect to the Peplink Device using the AMV preconfigured WiFi option.

AMV setup WiFi SSID: AMVision AMV setup WiFi password: AMV1sion

OR to connect using a Cat5e ethernet cable from any available LAN port directly to a user computer. Open your preferred browser, or your manufacturers default browser and navigate to the Peplink's IP address. \*You may need to disconnect form any other networks to make sure you are connecting properly.\*

Enter the following address into your browsers address bar: <u>https://192.168.50.1/</u>

Proceed past the "Connection Not Private" alert. You are connecting to the offline Peplink device, with no possibility of security breach. (See Images 1 and 2)

Figure 1:

• • • S Privacy error × +				•
← → C ▲ Not Secure   192.168.50.1		\$ • *	•	
	Your connection is not private			
	Attackers might be trying to steal your information from 192.168.50.1 (for example,			
	passwords, messages, or credit cards). Learn more			
	NET::ERR_CERT_COMMON_NAME_INVALID			
	Q To get Chrome's highest level of security, <u>turn on enhanced protection</u>			
	Advanced Back to safety			



Figure 2:	
	•
	Your connection is not private
	Attackers might be trying to steal your information from <b>192.168.50.1</b> (for example, passwords, messages, or credit cards). <u>Learn more</u>
	NET::ERR_CERT_COMMON_NAME_INVALID
	© To get Chrome's highest level of security, <u>turn on enhanced protection</u>
	Hide advanced Back to safety
	This server could not prove that it is <b>192.168.50.1</b> ; its security certificate is from captive-portal.peplink.com. This may be caused by a misconfiguration or an attacker
	intercepting your connection.
	Proceed to 192.168.50.1 (unsafe)

Click 'Proceed to 192.168.50.1'

To login to the Peplink management UI (User Interface), you may use the AMV pre-configured login of: Username: Admin

Password: AMV1sionadmin

#### **IMPORTANT FACTORY RESET NOTE:**

*IF for some reason you have to do a factory reset to the Peplink, the Default reset would be user: admin, password: admin.* 

To activate your SIM cards you will need to work with your selected carrier, and they will require hardware information. To get this information you can click on the Cellular 1 or Cellular 2 Details page, (See Figure 3) and they will require your SIM cards ID number, which should be printed on the SIM card, but is also available here as its ECCID.

### Figure 3:

	Dashboard Network	Advanced AP System Status	Apply Changes
	WAN Connection State	us	0
	Priority 1 (Highest)	No Cable Detected	Detaile
	Priority 2		Details
	Cellular 1	No SIM Card Detected Reload SIM	Details
	2 Cellular 2	No SIM Card Detected Reload SIM	Details
	Priority 3	Drag desired (Brierity 2) connections have	
	Disabled	Drag desired (Priority 3) connections here	
	🖉 🛜 Wi-Fi WAN	Disabled	Details
	LAN Interface	-	
Logout	Router IP Address: 192.	.168.50.1	
	WI-FI AP		ON 🗸 Details
	AMVISION		
	Device Information Model: Firmware: Uptime:	Pepwave UBR LTE 8.0.2s010 build 3622 0 days 1 hour 21 minutes	
	CPU Load:		

The Carrier may also need the IMEI code of this Peplink Device.

PLEASE NOTE: the IMEI code is different for the Cellular 1 and Cellular 2 SIM cards.

See Figure 4 for example page

To modify the WiFi SSID or Password, you may modify the WI-FI AP section. Be sure to click <u>"Apply Changes"</u> when done.

PW W	/eb Admin - UBR_E2EA		+				
- > C	A Not Secure   192.168.	.50.1/0	cgi-bin/MANGA/index.cgi?n	node=config&option=main			
		-		-			
	WAN Connection Status						
			SIM Card A	SIM Card B			
	IMSI		(No SIM Card Detected)	(No SIM Card Detected)			
	ICCID			-			
	MTN		•	-			
	MEID		HEX: 35907206819483 DEC: 089865882208492163				
	IMEI		359072068194832				
	Network Mode	Network Mode Auto (Generic)					
	WAN Connection Setting	Sinnin					
Lengut	WAN Connection Name		Cellular 1	Default			
Logour	Network Mode		● Auto ○ Generic ○ AT&T ○	Sprint O Verizon Wireless			
	Routing Mode 🕜		NAT				
	DNS Servers		Obtain DNS server address automatically				
			DNS Server 1:	address(es)			
			DNS Server 2:				
	Independent from Backup WANs	0	0				
	Standby State	andby State 🕜 💿 Remain connected 🔿 Disco		onnect			
	Idle Disconnect	connect 🛛					
	Reply to ICMP Ping	?	● Yes ○ No				
	Cellular Settings			<b>W</b>			
	SIM Card		Both SIMs SIM A Only				
			SIM B Only				
		Alternate periocially between SIM A Only and SIM B Only Use Remote SIM Only					
	Preferred SIM Card		● No preference ○ SIM A ○	SIM B			
		_	SIM Card A	SIM Card B			
	Carrier Selection	?	Auto	Auto			
	LTE/3G	?	Auto 🗸	Auto 🗸			
	Band Selection		Auto 🗸	Auto 🗸			
	Data Roaming						
	Authentication		Auto V	Auto 🗸			
	Operator Settings		● Auto ○ Custom	Auto O Custom			
	APN						
	Username						
	Password						

## Installing SIM Cards

In order to install your preferred SIM cards into the Peplink device, please remove the lid cover panel by removing the 6 outer screws. (Figure 5)



Then Remove the lid plate with the peplink attached, you can leave the antennae attached throughout the whole process. (Figure 6)



Figure 6:

Remove the SIM card cover on the edge of the peplink using a Philips screwdriver, and insert your SIM cards. (Figure 7)

