



# **User Guide**

MAX Adapter Dongle / MAX Adapter Dongle 5G

MAX Adapter Dongle: 2.0.0 November 2024

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# Specifications



	MAX Adapter Dongle
Cellular WAN Interface	Single LTE Modem
Redundant SIM Slot	Yes
Downlink / Uplink Data Rate	CAT-12: 600Mbps / 150 Mbps CAT-6: 300Mbps / 50Mbps
Antenna Connectors	2x SMA Cellular, 1x SMA GPS
Power Input	5V USB-C
Power Consumption	5W (nominal), 8W (max.)
Dimensions	3.9 x 2.8 x 0.6 inches / 100 x 71 x 15 mm
Weight	120g
Operating Temperature	32° – 104°F / 0° – 40°C
Humidity	15% - 95% (non-condensing)
Warranty	1-Year Limited Warranty
Certifications	FCC, CE, IC
Package Content	MAX Adapter Dongle, 2x LTE Antennas (ACW-813), USB-C Female to USB-A Male Adapter, USB-C Power Cable

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	MAX Adapter Dongle 5G
Cellular WAN Interface	Single 5G Modem
Redundant SIM Slot	Yes
Downlink / Uplink Data Rate	5G: 4 Gbps / 700 Mbps LTE CAT-20: 2 Gbps / 150 Mbps
Antenna Connectors	4x SMA Cellular
Power Input	5V USB-C
Power Consumption	5W (nominal), 8W (max.)
Dimensions	3.9 x 2.8 x 0.6 inches / 100 x 71 x 15 mm
Weight	120g
Operating Temperature	32° – 104°F / 0° – 40°C
Humidity	15% - 95% (non-condensing)
Warranty	1-Year Limited Warranty
Certifications	FCC, CE, IC
Package Content	MAX Adapter Dongle 5G, 4x LTE/5G LTE Antennas (ACW-235), USB-C Female to USB-A Male Adapter, USB-C Power Cable

# **Installation Procedures**

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1. Download the connection manager manually using the link below: <u>https://www.peplink.com/support/downloads/#max-adapter</u> OR > <u>here</u> <

Peplink Connection Manager installation:

🛃 Peplink Connection Manag	er Setup —	-	$\times$
	Please read the Peplink Connection License Agreement	n Manager	
× >	Peplink End User License Ag	reement	^
$<$ $\bigcirc$ $\circ$			1
·	READ THIS END USER LICENS	SE	
	AGREEMENT ("AGREEMENT")	BEFORE	
	DOWNLOADING, INSTALLING,	OR	
	USING THE SOFTWARE. BY		
	DOWNLOADING, INSTALLING,	OR	
	USING THE SOFTWARE OR		~
	☑ I accept the terms in the License Agreem	ient	
Print	Back Install	Cance	el

Tick the "I accept the terms in the License Agreement" before clicking the "Install" button.



🖶 Peplink Connection Manager Setup			_		×
Installing Peplink Connection Ma	anager	$\bigcirc$	/		
			111111		
Please wait while the Setup Wizard install	s Peplink Conne	ection Manager			
Status:					
	Back	Next		Cano	el

Wait for the installation to complete.



Tick "Launch Peplink Connection Manager" and click "Finish" after the installation is complete.

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Peplink Connection Manager		
No MAX Adapter detected		
Modem: Roaming: Advanced		
Throughput: Network Selection: Auto Manual Networks:		
Usage Current -		
10 -		
5-		
0 Mar1 Mar15 Mar31		
Billing Cycle: 1st • of every month Current Cycle's Usage:		

This is the User Interface of the Peplink Connection Manager after launching the application.

- 2. Connect the USB-C power port to the laptop in order to power the MAX Adapter Dongle via USB-C cable.
- 3. Wait for the status LED to turn green and begin blinking.
- 4. You may manage the MAX Adapter Dongle settings via Peplink Connection Manager on the laptop.

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# **Peplink Connection Manager**

The following screenshots are from the user interface of the Peplink Connection Manager after you have powered on the device with a SIM inserted for connectivity. You may choose which connection that you would like to use for the MAX Adapter Dongle with either a local SIM (which is SIM Slot A or SIM Slot B) or an eSIM for connectivity.

The section contains SIM status, general device information, throughput and usage (KB).



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You may configure the SIM settings, system settings, and view the device information by navigating to the **"Advanced**" button.



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Click "**More**" to show more details about the SIM information such as "IMSI", "ICCID", "MTN", etc. You may click the "**Edit**" button under "Opr. Settings" to configure the APN settings of your connection.



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This **Operator Setting** allows you to configure the APN settings of your connection. If **Auto** is selected, the mobile operator should be detected automatically. The connected device will be configured and the connection will be made automatically. If there is any difficulty in making a connection, you may select **Custom** to enter your carrier's APN, Username, and Password settings manually. The correct values can be obtained from your carrier.

The default and recommended setting is Auto.

Operator S	ettings
Opr. Settings:	🔿 Auto 💿 Custom
APN:	
Username:	
Password:	
!	Save Cancel



You may change the system settings such as "Language", "Auto-Launch on Login", "Auto Connect", and "SMS Notifications" by navigating to the "**Settings**" tab.

× Peplink Connection Manager				
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
<ul> <li>Simple</li> </ul>				
Modem: 🥌	Throughput: 141.22 Kbps			
SIM Settings	About			
Language: Auto-Launch on Login: Auto Connect: SMS Notifications:	System Default  Ves No Ves No Ves No			

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You may go to the "**About**" tab to view the device status and general device information such as "Serial Number", "SW Version", "Uptime", "Signal Strength" and "Signal Quality", etc.



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You may view more device information such as "HW Revision", "SW Revision", and "IMEI" by clicking on the "**More**" button.

Peplink Connectio	on Manager
.ıl LTE-A: ↓ Simple Modem:	Throughput: 71.40 Kbps
SIM Settings	About
About Device: Per HW Revision: 1 SW Version: 1.2 Serial Number: I IMEI:	pwave MAX Adapter MA-6 2.52 build 1008

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# **Setup on Linux Distributions**

The following screenshots are from the user interface of the Linux distributions and describes the steps to setup the connection for the MAX Adapter Dongle on Ubuntu 20.04.1 TLS.

- 1. Download the Linux distributions software and install it.
- 2. Launch Ubuntu and connect the MAX Adapter Dongle via USB to your laptop.
- 3. When the MAX Adapter Dongle is connected, expand the "Mobile Broadband" dropdown menu by clicking on the right hand, and select the Mobile Broadband Settings. Alternatively, you may go to Settings.



4. The page will navigate to the Network settings after clicking the Mobile Broadband Settings. You can select "Add new connection" from the dropdown menu to set up the mobile broadband connection profile.

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5. After selecting "Add new connection", the mobile broadband profile setup will pop out. Click "Next" to continue.

Cancel	Set up a Mobile Broadband Connection Next
Set up a Mobile Broadband Connection Choose your Provider's Country or Region Choose your Provider Choose your Billing Plan Confirm Mobile Broadband Settings	This assistant helps you easily set up a mobile broadband connection to a cellular (3G) network. You will need the following information: • Your broadband provider's name • Your broadband billing plan name • (in some cases) Your broadband billing plan APN (Access Point Name)

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6. Select the provider's country or region and then click Next.

Cancel Back	Choose your Provider's Country or Region	Next
Set up a Mobile Broadband Connection Choose your Provider's Country or Region Choose your Provider Choose your Billing Plan Confirm Mobile Broadband Settings	Country or region: Tunisia Turkey Uganda Ukraine United Arab Emirates United Kingdom United States Uruguay Uzbekistan Venezuela Vietnam	

7. Select your provider from the list or set up the connection manually if your provider isn't listed.

Cancel Back	Choose your Provider	Next
Set up a Mobile Broadband C Choose your Provider's Count	Connection atry or Region Select your provider from a list: Provider	
Choose your Provider Choose your Billing Plan Confirm Mobile Broadband S	Settings BendBroadband Cincinnati Bell Wireless	
	Lycamobile MTPCS (Cellular One) Straight Talk	
	My provider uses GSM technology (GPRS, EDGE, UMTS, HSPA)	•

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Cancel Back	Choose your Provider	Next
Set up a Mobile Broadband Connection Choose your Provider's Country or Region Choose your Provider Choose your Billing Plan Confirm Mobile Broadband Settings	<ul> <li>Select your provider from a list:</li> <li>Provider</li> <li>Alltel</li> <li>AT&amp;T</li> <li>BendBroadband</li> <li>Cincinnati Bell Wireless</li> <li>Lycamobile</li> <li>MTPCS (Cellular One)</li> <li>Straight Talk</li> </ul>	
	• I can't find my provider and I wish to set up the connection manually: My provider uses GSM technology (GPRS, EDGE, UMTS, HSPA)	•

8. Choose your data plan from the dropdown menu and it will auto-select the APN. Alternatively, you may customize the APN. The correct value can be obtained from your provider. Once completed, click Next.

Cancel Back	Choose your Billing Plan Next
Set up a Mobile Broadband Connection Choose your Provider's Country or Region Choose your Provider	Select your plan:
Choose your Billing Plan	Selected plan APN (Access Point Name):
Confirm Mobile Broadband Settings	fast.t-mobile.com
	Warning: Selecting an incorrect plan may result in billing issues for your broadband account or may prevent connectivity. If you are unsure of your plan please ask your provider for your plan's APN.

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Cancel Back	Choose your Billing Plan Next
Set up a Mobile Broadband Connection Choose your Provider's Country or Region Choose your Provider	Select your plan: My plan is not listed
Choose your Billing Plan	Selected plan APN (Access Point Name):
Confirm Mobile Broadband Settings	
	Warning: Selecting an incorrect plan may result in billing issues for your broadband account or may prevent connectivity.
	If you are unsure of your plan please ask your provider for your plan's APN.

9. Once setup is complete, confirm that the mobile broadband settings are correct before clicking "Apply".

Cancel Back	Confirm Mobile Broadband Settings Apply
Set up a Mobile Broadband Connection Choose your Provider's Country or Region Choose your Provider Choose vour Billing Plan	Your mobile broadband connection is configured with the following settings: Your Provider: T-Mobile, United States Your Plan:
Confirm Mobile Broadband Settings	LTE APN: fast.t-mobile.com

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10. After clicking "Apply", the mobile broadband will connect to the Internet using the MAX Adapter Dongle and you can start browsing the Internet.

Q	Settings		Network	×
۲	Network			
*	Bluetooth		Wired	+
Ç	Background		1000 Mb/s	
Ð	Appearance		A Mobile Broadband	
Û	Notifications		Connected	
Q	Search		Network	•
	Applications	$\rangle$	Default Route	
A	Privacy	$\rangle$	DNS	
	0-li 4t-			Ô
	YouTube		× GG Google × +	
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Ξ	E YouTube MY		Search	Q. 🖡
		۹ Inin	Music Dlauliste Crostort hite alhume LLK's Meditation mu	



# FCC Requirements for Operation in the United States Federal Communications Commission (FCC) Compliance Notice:

## Federal Communication Commission Interference Statement

Any change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference and

(2) this device must accept any interference received, including interference that may cause undesired operation.

# **Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

# Industry Canada Statement



This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

# **Radiation Exposure Statement**

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre le radiateur et votre corps.



# Mounting the Unit

# Wall Mount

The MAX Adapter Dongle can mount on the wall with screws. After adding the screw on the wall, MAX Adapter Dongle's bottom hole slide to the screws as indicated below. Recommended screw specification M3.5 x 20mm, head diameter 6mm, head thickness 2.4mm.

The MAX Adapter Dongle requires two screws for wall mounting.



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# CE Statement for Pepwave Routers (MAX Adapter Dongle 5G For EM9191)

# **DECLARATION OF CONFORMITY**

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

Name of manufacturer	PISMO LABS TECHNOLOGY LIMITED
Contact information of the manufacturer	A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong tel. (852) 2990 7600, fax. (852) 3007 0588 e-mail: cs@peplink.com
Description of the appliance	PEPWAVE / PEPLINK Wireless Product
Model name of the appliance	MAX Adapter 5G MAX-ADP-5GH-T
Trade name of the appliance	PEPWAVE / PEPLINK

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The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V13.1.1 EN 62311: 2020 EN 301 489-1 V2.2.3 Draft EN 301 489-52 V1.1.2 EN 55032: 2015 / A11:2020 EN 55035: 2017 / A11:2020 EN 61000-3-2: 2014 EN 61000-3-3: 2013 / A1:2019 EN 62368-1:2020 + A11:2020

Yours sincerely,



Antony Chong Director of Hardware Engineering Peplink International Limited



AT	BE	BG	HR	СҮ	cz	DK	EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	мт	NL	PL	РТ	RO	sĸ	SI	ES	SE	UK(NI)

# WWAN : Refer 3GPP TS 36.521 -1 (UE Power class)

## Table 4-11: Conducted Maximum Tx (Transmit) Power<sup>a</sup> Tolerances

Bands	Conducted Tx Power	Notes		
5G				
FR1 Sub-6G Bands	+23 dBm ± 1.5 dB	Power Class 3		
LTE	•			
LTE B7, B38	+23 dBm +1.8 dB/-1.0 dB	Power Class 3		
LTE all other bands	+23 dBm ± 1 dB	Power Class 3		
UMTS				
All bands (12.2 kbps)	+23.5 dBm $\pm$ 1 dB	Connectorized (Power Class 3)		

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

contact as: https://www.peplink.com/



# UK Statement for Pepwave Routers (MAX Adapter Dongle 5G For EM9191)

# **UK DECLARATION OF CONFORMITY**

Name of manufacturer	PISMO LABS TECHNOLOGY LIMITED
Contact information of the manufacturer	A8, 5/F, HK Spinners Ind. Bldg., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong tel. (852) 2990 7600, fax. (852) 3007 0588 e-mail: cs@peplink.com
Description of the appliance	PEPWAVE / PEPLINK Wireless Product
Model name of the appliance	MAX Adapter 5G MAX-ADP-5GH-T
Trade name of the appliance	PEPWAVE / PEPLINK



We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

### **UK legislation**

Radio Equipment Regulations 2017

#### UK Designed Standard

EN 301 908-1 V13.1.1

#### Other Standards Applied

EN 62311: 2020 EN 301 489-1 V2.2.3 Draft EN 301 489-52 V1.1.2 EN 55032: 2015 + A11:2020 EN 55035: 2017 + A11:2020 EN 61000-3-2: 2014 EN 61000-3-3: 2013 + A1:2019 EN 62368-1:2020 + A11:2020

Yours sincerely,

Antony Chong Director of Hardware Engineering Peplink International Limited



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# **UK PSTI Statement of Compliance**



**PSTI Statement of Compliance** 

We hereby declare that the product specified below is fully compliant with the applicable security requirements under Schedule 1 of the Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023 ("**PSTI**").

Product Description	Pepwave MAX Adapter 5G
Model	MAX Adapter 5G
	MAX-ADP-5GH-T
Product Code	MAX-ADP-5GH-T
Defined Support Period	5 years up to product's end-of-life date
Manufacturer Name	Pismo Labs Technology Limited
	A8, 5/F, HK Spinners Ind. Bldg., Phase 6, 481 Castle
Manufacturer Address	Peak Road, Cheung Sha Wan,
	Kowloon, Hong Kong

In line with those requirements, please be advised that:

- 1. Password for the product is to be defined by the user upon their first login.
- Users can submit a security issues report about any security vulnerabilities by emailing to support@peplink.com or submitting a ticket at Peplink Ticketing System (<u>https://ticket.peplink.com/</u>). If submitted by email, users will receive an acknowledgement. In either case, users will receive status updates at the Peplink Ticketing System.
- We generally provide security updates for up to 5 years after a product's endof-life date (i.e. a "defined support period"). For more information, please visit, <u>https://www.peplink.com/support/downloads/</u>

Yeing Yu

Eddy Yeung Director for Software Engineering Issued from Hong Kong On 03 September 2024

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