

## QUICK SETUP GUIDE - WLAN EPA

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### Document Revision

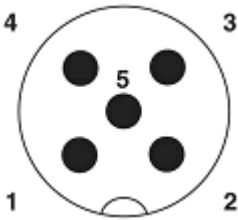
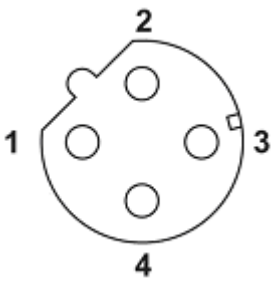
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## 0.1 General

See <http://www.connectblue.com> for latest updates of documents and firmware.

## 0.1 Installation

Power connector	Ethernet connector
<p>The power connector has both a supply power input and a digital input with separate ground. Both the power supply input and digital input support a voltage of 9-30V. The connector is an A-coded male M12.</p>	<p>The Ethernet interface supports 10/100 Mbps with both MDI/MDI-X auto crossover and polarity correction. The connector is a D-coded female M12.</p>
	
<ol style="list-style-type: none"> <li>1. Vin + (9-30V)</li> <li>2. Digital Input Ground</li> <li>3. Vin Ground</li> <li>4. Digital Input + (9-30V)</li> <li>5. N/C (May be used for shield ground)</li> </ol>	<ol style="list-style-type: none"> <li>1. Transmit +</li> <li>2. Receive +</li> <li>3. Transmit -</li> <li>4. Receive -</li> </ol>

### 0.0.1 Status indicators



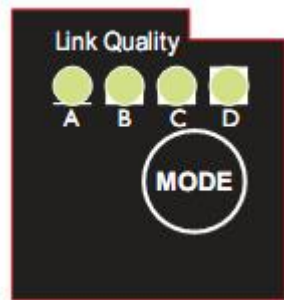
Description	Color	Status	Meaning
PWR	Green	On	Supply voltage is present and application is running
PWR	Green	Off	Supply voltage is not present, or no application is running
)))	Blue/Purple/Red	Blue	A WLAN connection has been established
)))	Blue/Purple/Red	Flashing Blue	WLAN data activity
)))	Blue/Purple/Red	Purple	Attempt to establish a connection to another WLAN device
)))	Blue/Purple/Red	Red	Error
)))	Blue/Purple/Red	Off	No WLAN activity
LAN	Yellow	On	Ethernet link is present
LAN	Yellow	Flashing	Ethernet data activity
LAN	Yellow	Off	No Ethernet connection

## 0.1 Configuration

### 0.0.1 Interfaces

The EPA have several configuration interfaces, but this guide will only cover how to set up a Layer-2 transparent connection between 2 EPAs using the SMART configuration (the "simple push the button method"). For other configuration options, please see the "Product guide - WLAN EPA" available at <http://www.connectblue.com>.








### 0.0.2 SMART configuration




If the mode button is pressed within the 5 seconds from power up, the EPA will enter the SMART configuration mode. The LEDs above the button (marked A, B, C and D) will show which mode is selected. When the preferred mode is selected it must be confirmed by holding the SMART button for two seconds. This will cause the LEDs to start flashing during the operation of the selected mode. There are several different modes:

Mode	Description	LEDs	A	B	C	D
1	See "Product guide - WLAN EPA"	A	■			
2	Reset to factory defaults	B		■		
3	Reset IP settings to factory defaults	A + B	■	■		
4	Wait for Automatic configuration - Ad-Hoc mode	C			■	
5	Initiate Automatic configuration - Ad-Hoc mode	A + C	■		■	
6	See "Product guide - WLAN EPA"	B + C		■	■	
7	See "Product guide - WLAN EPA"	A + B + C	■	■	■	
8	See "Product guide - WLAN EPA"	D				■
9	See "Product guide - WLAN EPA"	A + D	■			■
10	See "Product guide - WLAN EPA"	B + D		■		■
11	See "Product guide - WLAN EPA"	A + B + D	■	■		■
12	See "Product guide - WLAN EPA"	C + D			■	■
13	See "Product guide - WLAN EPA"	A + C + D	■		■	■

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14	See "Product guide - WLAN EPA"	B + C + D				
15	See "Product guide - WLAN EPA"	A + B + C + D				

 = LED ON

### 0.0.3

#### 0.0.4 Setting up an Ethernet bridge (Cable replacement mode)

This is used to transfer data (Layer-2 transparently) between two Ethernet segments.

1. Power on the first device and enter SMART configuration mode 4
2. Power on the second device and enter SMART configuration mode 5
3. Wait for the devices to connect and restart.
4. Now, the first device will have IP address 192.168.0.99 and the second 192.168.0.100 and the devices will operate in Ad-Hoc mode.

For other use cases, see "Product guide - WLAN EPA" for configuration help.