



Quick Installation Guide

Wi-Fi Socket Range Extender N300 + USB Charger

Positioning your Wi-Fi socket

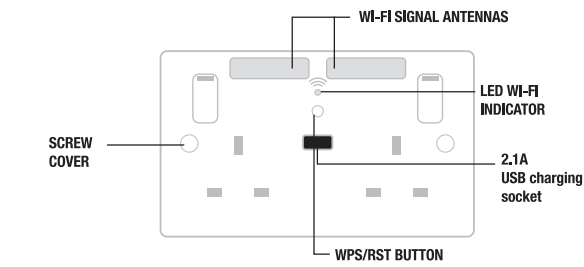
Your Wi-Fi socket should be positioned half way between your router and the Wi-Fi dead-zone
Use the signal strength indicator on your mobile device to determine the mid-signal point



Choose a location away from Bluetooth devices and other household electronics (cordless phone, microwave oven, baby monitor, etc.) to minimise signal interference.

Product overview:

Wi-Fi Socket Range Extender + USB Charger



Wiring Instructions:

1 Power off

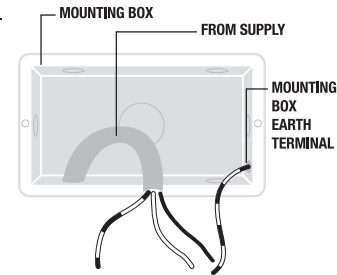
BEFORE COMMENCING WORK ALWAYS ISOLATE THE POWER AT THE CONSUMER UNIT / FUSE BOX.



2a Replacing an existing socket (removal)

1. Unscrew the socket from the wall/mounting box.
2. Note the cable connections: There will generally be three different wiring configurations, this illustration shows a single wire of each colour connected to each terminal (there could be two or three wires of each colour connected to each terminal) + an additional connection between the mounting box earth terminal and the socket earth terminal.
3. Unscrew each terminal to release the wires.

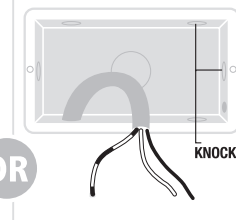
- **EARTH** = Green & Yellow sleeving
- **NEUTRAL** = Blue (Black pre Apr 04)
- **LIVE** = Brown (Red pre Apr 04)



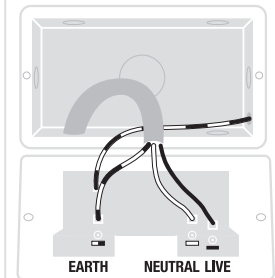
2b New installation

1. Install mounting box (metal or patress) for either flush or surface mounting, ensuring appropriate size of product. (mounting box to be purchased separately)
2. Select the most suitable entry point of the mounting box (knock-out) and route the supply cable through.
3. Cables should be prepared so a sufficient conductor length reaches the terminals. Strip the ends of the individual conductors leaving an adequate length bare to enter terminals.

- **EARTH** = Green & Yellow sleeving
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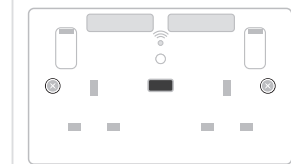
3 Wire up your socket



1. Line up the new socket to mounting box and take note of where each terminal is located.
2. Connect each wire to the matching terminal. (refer to key in step 2)
An earth connection should always be made between the mounting box earth terminal and the socket earth terminal. Make sure no copper wire is exposed & that only the bare end enters the terminal.
3. Tighten terminal screws securely. (do not over tighten)

4 Complete the installation

1. Carefully position the accessory into the mounting box, ensuring that no wires are trapped between the plate and the wall and secure with screws (do not over tighten) then set screw covers in place (optional).
2. Once installation has been completed correctly, replace the fuse for the circuit, switch the power back on at the consumer unit and test.



USB Charger information:

13A sockets with USB charging ports for charging mobile devices such as mobile phones, MP3 players and tablets. Total charger current can be delivered from one USB socket or divided between outputs as required. For a 2.1A output charger, if a device needing 1.5A would leave the other port at 0.6A, so devices may charge more slowly than with a normal single plug charging. The speed of charging will depend on the battery capacity of the device and not charge output of the socket. A device with a battery capacity of 1500mAh will not charge any faster with a 3.1A charger compared to a 2.1A charger. The total output current achieved is dictated by the specific device being charged and other external factors, such as the quality of charging cable being used. Overload protection for connected devices.

Low energy stand-by mode

When not in use the USB sockets are in a low energy stand-by mode. The usb circuits in this socket are designed to withstand insulation resistance tests at 500V. A reading of 10MΩ minimum is typically achieved by the USB socket.

USB Output	5.0V DC 2.1A, 10.5W MAX
Input	230-240V~ 50/60Hz
Average active efficiency	>79.04%
Efficiency at low load(10%)	>70.08%
No load power consumption	<0.10W
USB Port number	1 port
USB PCBA Model name	CH-Wi-Fi-Power-U
Manufacturers model identifier	x22UWR*
Note	* x = range, & E, S, Z * = insert colour, 'W' or 'B', z = Metal finish 'BS', 'PC', 'BN'.

Resetting your Wi-Fi socket:

- Press and hold the WPS/RST button on the front of the Wi-Fi socket for 5 seconds
- The LED will blink amber/blue and then extinguish.
- Wait for a blue blinking LED to return
- Your Wi-Fi socket is now ready to setup

SAFETY WARNING

For your safety, this product must be installed in accordance with local Building Regulations. If in any doubt, or where required by the law, consult a competent person who is registered with an electrical self-certification scheme. Further information is available online or from your Local Authority. INDOOR USE ONLY. Please read carefully and use in accordance with these safety wiring instructions. Before commencing any electrical work ensure supply is switched off at the mains. Either by switching off the consumer unit or by removing the appropriate fuse. Wiring should be in accordance with the latest edition of IET regulations (BS 7671). To prevent fire hazard always use cable of the correct rating, size & type for the application. Any bare earth wires must be covered with the appropriate green/yellow sleeving. Any decorative products MUST have an earth connection between the front-plate and back box.

Warning do not exceed the load rating of this device as stated on rear of the product.

If in doubt always consult a competent electrician.

MAINTENANCE

To keep the finish of this product, wipe over with a soft dry cloth periodically.

ENVIRONMENTAL PROTECTION

Electrical products should not be disposed of with your general household waste. Some chemicals contained within electrical products can be harmful to health and the environment. Only dispose of the items in separate collection schemes which can cater for recovery and recycling of materials contained within. Your co-operation is vital to ensure the protection of the environment.

WIFIIL_LAP_E

QR code setup

- On your smartphone or tablet, connect to a new Wi-Fi network called "Wi-Fi Socket" (no passwora is requirea).
- **Note: if the "Wi-Fi Socket" network is not showing, please reset the Wi-Fi socket.*
- Scan the QR code.



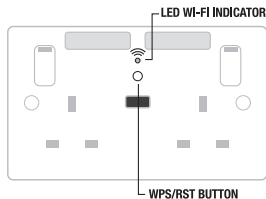
- Select the Wi-Fi network to be extended.
- Enter your Wi-Fi router password.
- Ensure the tick-box "Set the same SSID & Password " is ticked.
- This will change the "Wi-Fi Socket" network name to match your current router network name.
- Click 'Next'.

**Note: Should you need to change the network encryption mode, choose from the drop-down menu. Default is WPA2-PSK. Refer to your router handbook for further details.*

- Click 'Apply'.
- The Wi-Fi socket should show a solid blue LED, and is now ready to use.
- Your devices will connect using your existing Wi-Fi network name

WPS (Wi-Fi protected) setup

- Press and hold the WPS button on your router for 5 seconds.
- **Note: WPS connection may differ for each manufacturer, please refer to your router handbook for your specific WPS connection method.*
- Press the WPS/RST button once on the Wi-Fi socket.
- The LED will blink orange whilst connecting to your router.
- Once connected, the LED will light solid blue.
- Your devices will connect using your existing Wi-Fi network name.



EU Declaration of Conformity

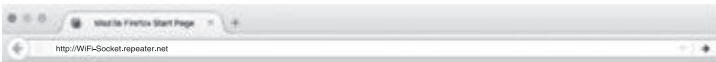
Product		
• Wi-Fi Socket Range Extender • 19W43-21W43		
Name and address of the manufacturer or his authorised representative:		
Kingfisher International Products Limited 3 Sheldon Square London W2 6PX United Kingdom		
This declaration of conformity is issued under the sole responsibility of the manufacturer.		
Object of the declaration:		
Product	Model	EAN
White Raised	422UWRW	5057741127614
Raised Brushed Steel, White Inserts	EBS22UWRW	5057741127621
Raised Brushed Steel, Black Inserts	EBS22UWRB	5057741127638
Raised Polished Chrome, Black Inserts	EPC22UWRB	5057741198270
Raised Polished Chrome, White Inserts	EPC22UWRW	5057741198287
Raised Black Nickel, Black Inserts	EBN22UWRB	5057741198225
Screwed Brushed Steel, White Inserts	SBS22UWRW	5057741198324
Screwed Polished Chrome, White Inserts	SPC22UWRW	5057741198348
Screwed Black Nickel, Black Inserts	SBN22UWRB	5057741198300
The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:		
2014/53/EU Radio Equipment Directive		
2011/65/EC Directive RoHS Restriction of the use of certain hazardous substances in electrical and electronic equipment		
2009/125/EC Directive on Ecodesign Requirements for Energy-Related Products		
References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:		
EN 300 328 V2.1.1 Draft EN 301 489-1 V2.2.0 Draft EN 301 489-17 V3.2.0 EN61000-6-1:2017 EN61000-6-3:2017+A1:2011 The RED directive 2014/53/EU(Article 3.1b and 3.2)		
Signed for and on behalf of:		
Kingfisher International Products Limited 3 Sheldon Square London W2 6PX United Kingdom		
Lisa Davis Group Quality Director		
On: 2019/02/26		

Kingfisher International Products Limited
3 Sheldon Square, London, W2 6PX, United Kingdom
EN www.diy.com | www.screwfix.com
Please retain this information for future reference.
LAP UK Technical Helpline 0800 068 0292

EU Manufacturer:
Kingfisher International Products B.V.
Rapunburgerstraat 175E, 1011 VM Amsterdam, The Netherlands

Web browser setup

- Connect to a new Wi-Fi network called "Wi-Fi Socket" (no password is required).
- **Note: if the "Wi-Fi Socket" network is not showing, please reset the Wi-Fi socket.*
- Enter <http://Wi-Fi-Socket.repeater.net> into your browser search bar.



- Select the Wi-Fi network to be extended.
- Enter your Wi-Fi router password.
- Ensure the tick-box "Set the same SSID & Password" is ticked. This will change the "Wi-Fi Socket" network name to match your current router network name.
- Click 'Next'.

**Note: Should you need to change the network encryption mode, choose from the drop-down menu. Default is WPA2-PSK. Refer to your router handbook for further details.*

- Click 'Apply'.
- The Wi-Fi socket will show a solid blue LED, and is now ready to use.
- Your devices will connect using your existing Wi-Fi network name

OR

FAQ's

The "Wi-Fi Socket" network is not showing in my list of networks?

A: Please reset your Wi-Fi socket (Refer to the 'Resetting your Wi-Fi socket' section) then try again.

I can't see the login page after typing <http://Wi-Fi-Socket.repeater.net> in the browser, or by scanning the QR code?

A1: Make sure your computer/phone/tablet is connected to the "Wi-Fi Socket" Wi-Fi network.

A2: Ensure your Wi-Fi socket is connected to the power and the blue LED indicator is lit. Once connected, reset the socket.

How do I reset the Wi-Fi socket?

A: Refer to the 'Resetting your Wi-Fi socket' section.

My router doesn't have a WPS button, what do I do?

A: Please use the 'Web browser' method to setup your Wi-Fi socket.

(UK) EU DECLARATION OF CONFORMITY

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Signed for and on behalf of		
Kingfisher International Products B.V., Rapunburgerstraat 175E, 1011 VM Amsterdam, The Netherlands		
Eric Capotummino Group Quality Director		
On: 18/10/2019		