



Pulse

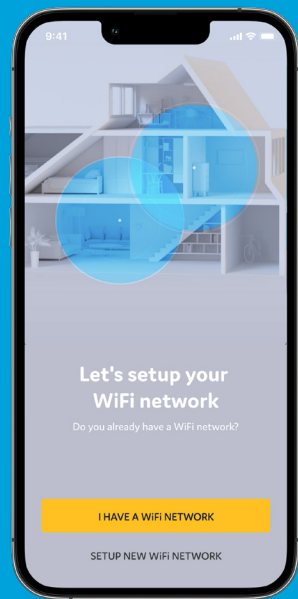
EX600

Installation Guide

Wi-Fi EasyMesh™ supported

Installation with use of app

You're just a few steps away to install your device via the Genexis EasyWiFi app



1

Scan QR-code



2

Download app and follow the steps



Installation guide

Box contents

- Genexis Pulse EX600
- Power adapter
- Network cable
- Labels (self-adhesive)
- Plugs & screws

Genexis EasyWiFi app

Installation and management of the Pulse EX600 can be done with help of the mobile application Genexis EasyWiFi for the applicable installation modes as described in this installation manual. Please follow the steps on the left page.

Warning: Do not cover the device with anything because this will interfere with the ventilation of the Pulse EX600.

Operation Temperature 0°C ~ 40°C

Placement

Pulse EX600 supports two placement options; desktop and wall-mounted. It is recommended to place the device 'away' from obstacles and objects.

Desktop

1. Place the device horizontally on a flat surface.

Wall-mount

1. Download and print the drilling guide from <https://genexis.eu/product/pulse/downloads>
2. Use the drilling guide to drill the holes, insert plugs and put screws into place.
3. Use the wall mount points on the back of the Pulse EX600 to mount the device to the screws.

Setting up your Pulse device(s)

This installation guide is for installing the Pulse EX600 as a router, as explained on the right. In addition, an extra Pulse EX600 can be installed as a wireless or wired extender behind the Pulse EX600 router.

Router




If you do not have a router installed, start installing your Pulse EX600 here:

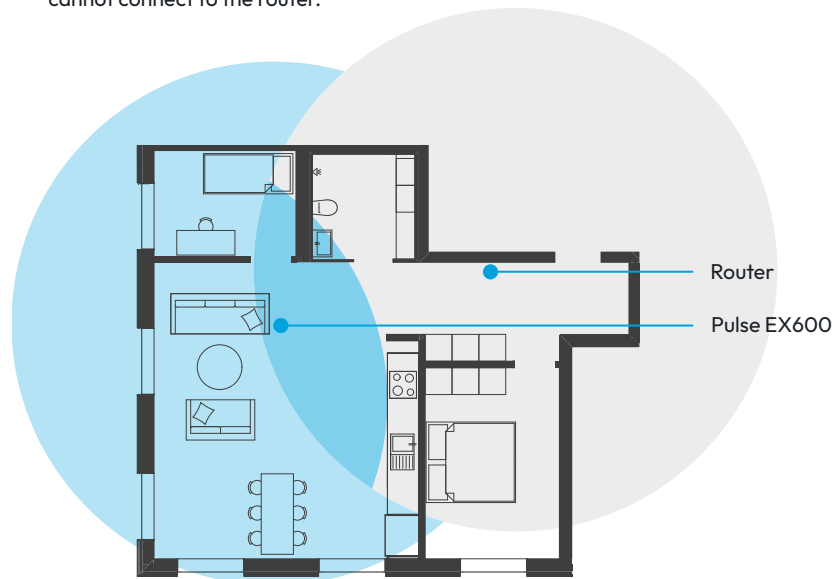
1. Connect a network cable between your broadband outlet and the Pulse EX600 WAN port (red port).
2. Connect the supplied power adapter to the Pulse EX600 and plug the adapter into a power socket.
3. Flip the ON/OFF switch at the back of the device to turn it on.
4. Wait until the Status LED stops blinking and turns solid green.

Your Pulse EX600 is now setup as a router. Your network is now ready to be extended with a wireless or wired extender, as explained on the next pages.

Extender placement

For optimal performance of the Pulse EX600 as extender; place the Pulse EX600 halfway in between your router and the problem area (as shown below). Make sure placement is within WiFi range of your router. If the extender is placed too far away, it cannot connect to the router.

-  Problem area, improved by Pulse EX600
-  Area that is good for placing Pulse EX600
-  Area covered by your router



Wireless extender

1. Place the additional Pulse EX600 as described on the previous page.
2. Connect the supplied power adapter to the Pulse EX600 and plug the adapter into a power socket.
3. Flip the ON/OFF switch at the back of the device to turn it on.
4. Wait until the Status LED surrounding the Mode button starts blinking green.
5. On the Pulse EX600, press and release the Mode button once. The status LED will start blinking blue.
6. Press the same Mode button on the Pulse EX600 router within two minutes.
7. Automated pairing is now started.
8. The Status LED turns solid blue indicating that pairing of the Pulse EX600 extender with the router is successful (the Pulse EX600 will automatically reboot after the automated pairing; this may take up to several minutes).
9. Wait until the Status LED stops blinking and turns solid green.

Your Pulse EX600 is now setup as a wireless extender.

Wired extender

1. Connect a network cable between the LAN port (yellow connector) of the Pulse EX600 router and the WAN port (red connector) of the Pulse EX600 extender.
2. Connect the supplied power adapter to the Pulse EX600 and plug the adapter into a power socket.
3. Flip the ON/OFF switch at the back of the device to turn it on.
4. Wait until the Status LED stops blinking and turns solid green (the Pulse EX600 extender will automatically reboot during the setup; this may take up to several minutes).

Your Pulse EX600 is now setup as a wired extender.

Switching the WiFi ON/OFF

The WiFi function of the Pulse EX600 can be switched ON or OFF by means of the Mode button.

- Switch OFF: On the Pulse EX600, press and hold the Mode button until the Status LED turns solid yellow.
- Switch ON: On the Pulse EX600, press and hold the Mode button until the Status LED starts blinking green or turns solid green.

Connecting to the wireless network

Automated pairing

You can connect your personal device to the Pulse EX600 by scanning the QR-code on the label of the Pulse EX600 or use the Mode button (WPS function) of the Pulse EX600. Please check on your personal device how this can be initiated. Before pairing, make sure the Status LED is solid green. If not, switch the WiFi ON as described in this installation guide.

Manual pairing

You can also connect your personal device to the Pulse EX600 via manual pairing using the WiFi network name and WiFi key printed on the label of the Pulse EX600.

1. Perform a search of available wireless networks on your personal device.
2. Select the WiFi network name printed on the label.
3. Enter the WiFi key printed on the label.

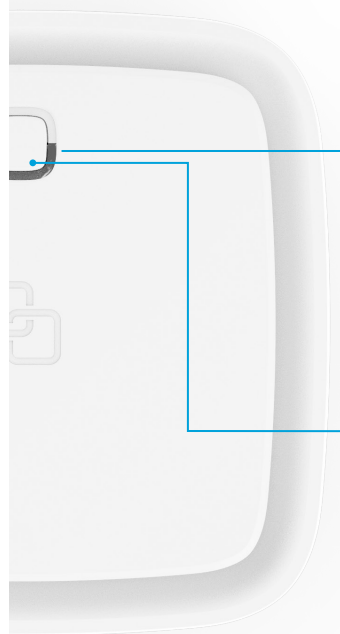
Follow the instructions of the router in case the Pulse EX600 is in extender mode.

Using the web interface

When connected to your network, you can access the Pulse EX600 web interface to change your device settings.

1. Use a browser on your personal device and navigate to 'GUI' as printed on the label of the Pulse EX600.
2. Login by inserting the 'Username' and 'Password'.
3. If required, change your device configurations.

LED & button overview



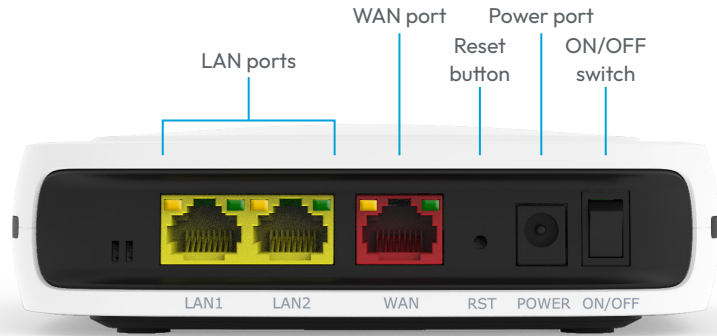
Status

Green – system is operational ready
Green (blinking) – no broadband connectivity
Yellow – system startup or WiFi OFF
Yellow (blinking) – system is not ready yet
Blue – automated pairing (WPS) successful
Blue (blinking) – automated pairing (WPS) in progress
Red – system / booting failure
Off – power off

Mode button

Pairing (WPS) – press and release once
WiFi ON – press and hold until Status LED turns green (blinking or solid)
WiFi OFF – press and hold until Status LED turns solid yellow

Port overview

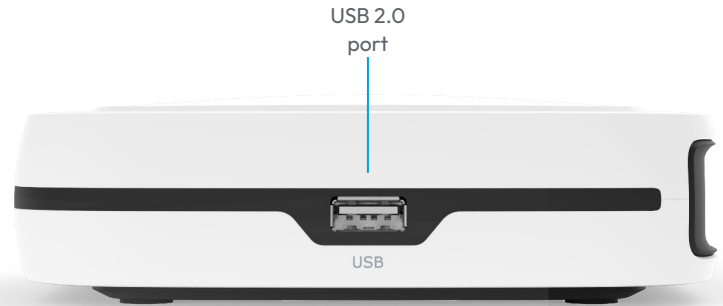


Reset button (recessed)

Reboot – press and release once
Factory reset – press and hold until the Status LED starts fast blinking green

ON/OFF switch

Switch ON – flip the switch to ON
Switch OFF – flip the switch to OFF



Support

Is the Status LED solid red?

Contact your service provider.

Is the Status LED solid yellow?

The WiFi of the Pulse EX600 is turned OFF. Please turn the WiFi ON as described in this installation guide.

Is the Status LED not solid blue after automated pairing (WPS)?

Automated pairing (WPS) between the Pulse EX600 and Genexis router or personal device failed. Please follow the instructions again to setup the Pulse EX600 as a wireless extender or connecting your personal device to the wireless network. It might be helpful to move the Pulse EX600 closer to your Genexis router.

Is the Status LED blinking green for 5 minutes?

- Router: Pulse EX600 does not have a connection with the broadband network. Please verify your wired connection with the broadband outlet or contact your service provider.
- Wireless/wired extender: Connection between the Genexis router and the Pulse EX600 is not stable. Please check the cable connection with the Genexis router or move the Pulse EX600 closer to the Genexis router.

Is the Status LED blinking yellow?

The Pulse EX600 is being upgraded with new software. Please wait until the Status LED turns solid green again.

Return the Pulse EX600 to factory default settings

With the reset button you can reset the Pulse EX600 to its factory default settings. You can press this button with a small pin or paperclip.

1. Press and hold the reset button until the Status LED starts fast blinking green.
2. Wait until the Status LED turns solid green again.

Your Pulse EX600 is now setup as a router again with the settings as printed on the label.

EU Declaration of Conformity

Hereby, Genexis Netherlands B.V. declares that the product Pulse EX600 is in compliance with Directives 2014/53/EU, 2009/125/EC, 2011/65/EU and Delegated directive 2015/863.

The full text of the EU declaration of conformity is available at the following internet address: <https://genexis.eu/product/pulse/red/pulse-ex600>

Company Name

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Company Address

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Signature of authorized person



Name and title of authorized person

Maarten Egmond, CTO

Place of issue

Eindhoven
The Netherlands

Date of issue

2021-10-06

Frequency bands and maximum radio frequency power transmitted

The Pulse EX600 operates in the frequency bands of 2,4 Ghz and 5Ghz.

The maximum radio frequency power transmitted in these bands is:

- 20 dBm (100 mW) (EIRP) for the 2400 MHz – 2483.5 MHz band
- 23 dBm (200 mW) (EIRP) for the 5150 MHz – 5350 MHz band *
- 30 dBm (1000 mW) (EIRP) for the 5470 MHz – 5725 MHz band

* In EU, 5150 – 5350 MHz is restricted to indoor.

People deserve fiber.

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Multiple languages of this document and additional product information are available on
<https://genexis.eu/product/pulse/downloads>

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