

ONT Installation

July 2026

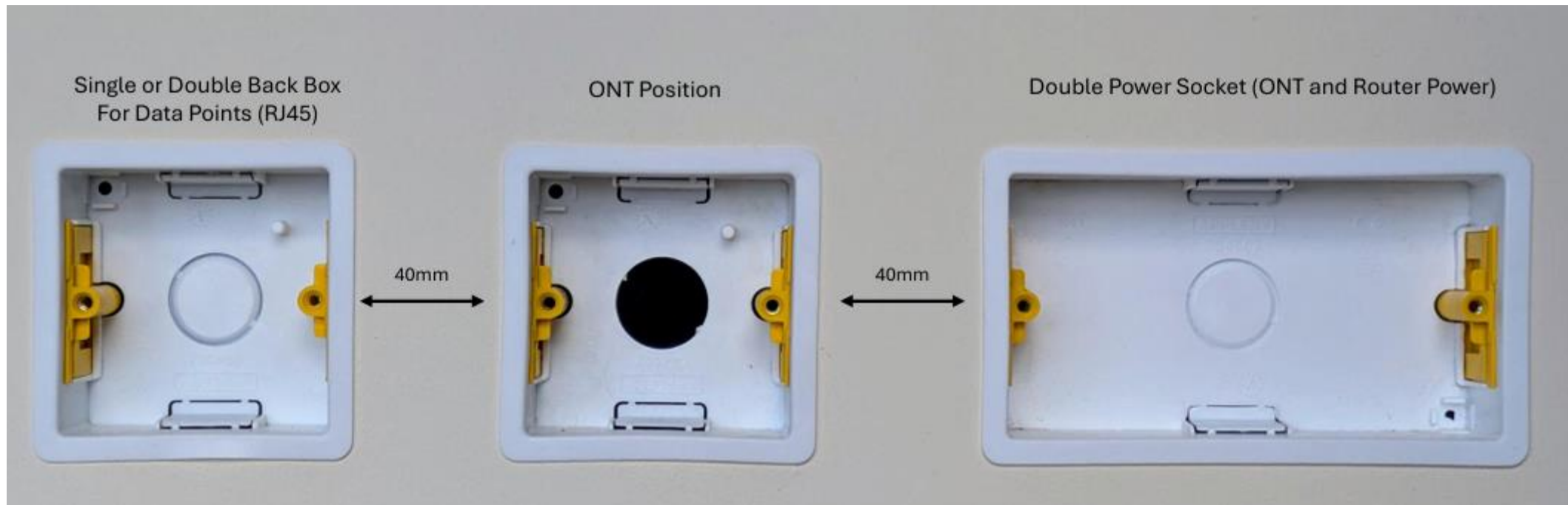


openreach

ONT Installation In Non-Standard Location (Consumer Unit/Cupboard)

The non-standard location for the ONT will require:

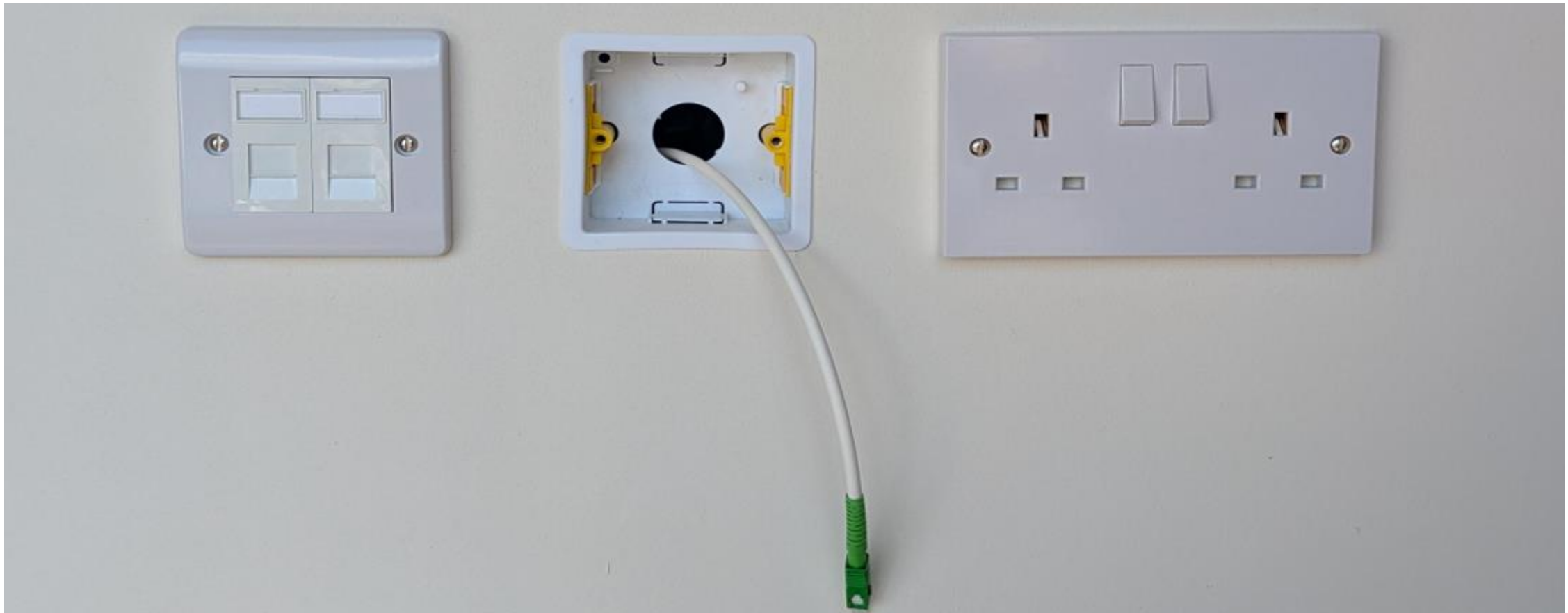
- Double power socket to provide the ONT and customer router.
- Single back box for the installation of the ONT.
- Single or double back box to accommodate RJ45 data point modules terminated point to point using CAT6e cable to allow the customer router to be relocated or allow fix data networking to the router if left in the non-standard location. This is optional but recommended to provide customers with best connectivity.



Internal Wiring Requirements for Call Off

The following requirements for internal wiring must be installed for plot call off:

- Double power socket installed and power on.
- Single back box internal fibre cable installed with maximum of 500mm of cable available internally for ONT connection and minimum 3m coiled externally.
- Single or double back box with RJ45 data modules. (Optional but recommended).



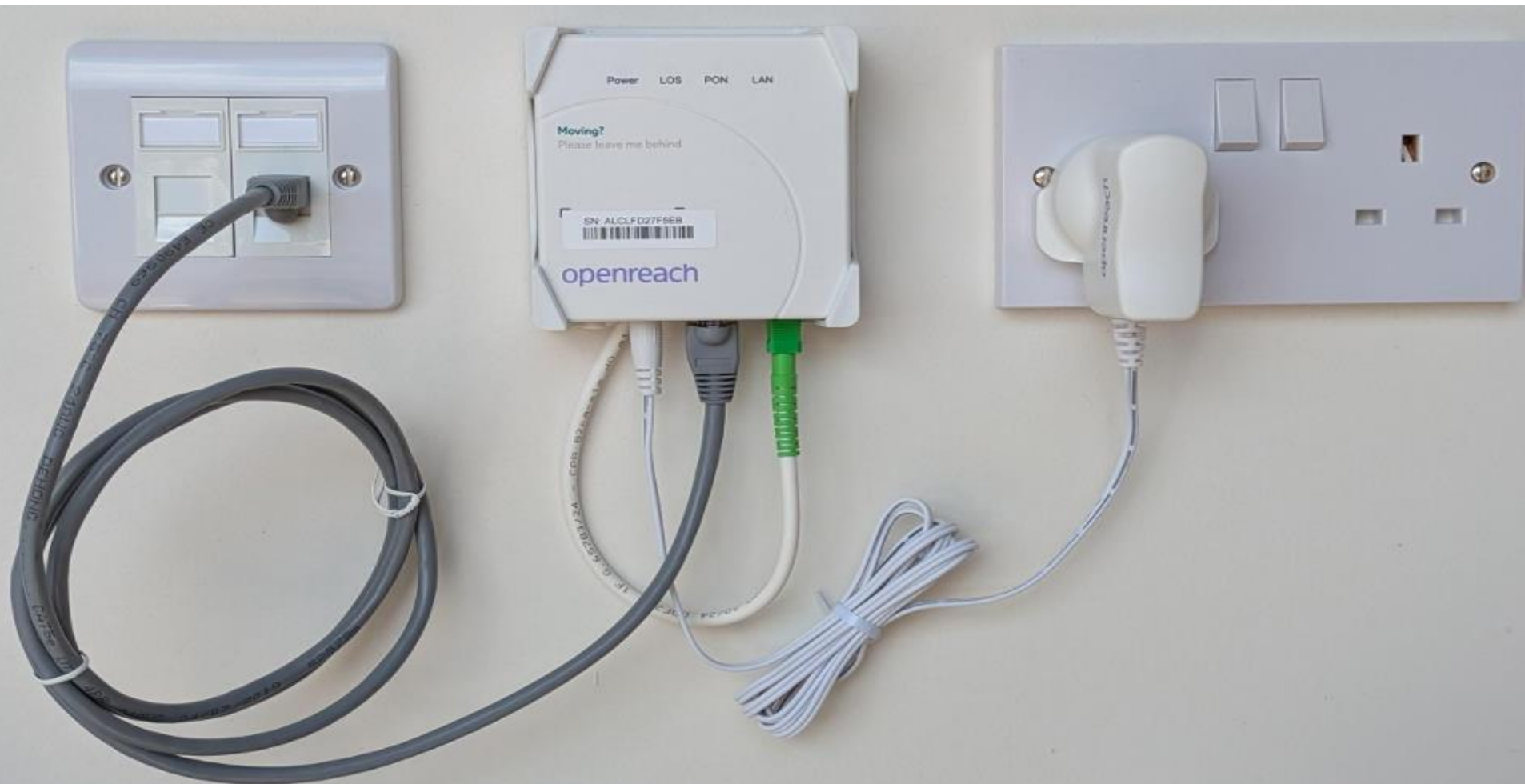
Completed Installation of Openreach ONT

- Openreach with a shroud over the single back box. The ONT will be inserted into the shroud with the green end of the internal fibre cable connected as shown below.
- The Openreach ONT will be powered as shown.



Completed Installation of Openreach ONT Customer Options

Shown below is the requirements for the customer to relocate their router. The customer will connect the Openreach ONT to a RJ45 data point using a CAT6e ethernet patch cable lead. The customer can now relocate their router to the room with the connecting RJ45 data point and connect the router to this using a further CAT6e ethernet patch lead. This will allow the customer better WiFi and fixed connectivity.



Completed Installation of Openreach ONT Customer Options

Shown below is the customer option to leave the router at the ONT position where RJ45 data points offer single fixed point to point connection for devices such as games consoles, smart TV's etc. It requires a CAT6e ethernet patch lead being connected from the Openreach ONT to the service port on the router. This provides the service to the router and enables the WiFi connectivity from the router. To allow fixed connections in other areas of the home a CAT6e ethernet patch lead can be plugged into a port on the rear of the router and plugged into the appropriate RJ45 data point to provide the fixed connection in the required area of the home.

It must be noted that having the customer router in the non-standard location, consumer unit/cupboard, can have a negative impact on the WiFi connectivity and create poor WiFi throughout the home.

