



The University of Manchester Network Transformation Project (WLAN)



William Kay House Installation Pack

Prepared by



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Document Version

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1 Overview

1.1 AP Name Key

This document presents the final position of all APs within this location following a detailed survey.

AP naming convention:

New or refreshed APs will be named using the following format

FXX-T-M(A)

Where:

- F = Floor Number
- XX = AP Number
- T = AP Type
 - H = AP-535
 - L = AP-515
 - B = AP-303
- M = Mount Type
 - C = Ceiling or other horizontal mounting e.g. cable tray
 - W= Wall
 - O = Oberon Bracket
- (A) = Action - AP locations
 - R = Refresh
 - M = Move
 - N = New

So, for example, a ceiling mount AP-535, which is the first AP on floor 4 and is to be moved from an existing wall mount location, would be named:

401-H-C(M)

Other AP labels

(D) = Decommission AP location

There may be a requirement to fully decommission an AP position within the site. These AP locations have been marked with a (D). This AP position is no longer required.

(K) = Keep AP location and leave AP (AP does not need refreshing\replacing)

These APs are already of a minimum standard and do not need any action.

Cabinet and comms rooms locations that were identified during the survey are marked on the floorplan with red hatching.

1.2 WLAN AP Overview

Below highlights the total AP(s) following refresh and installation activity (Total APs) across each floor.

The New AP Hardware section highlights the number of APs required per model that you will require*.

Level	(M)	(N)	(D)	Total	New AP Hardware		
					Aruba 515	Aruba 535	Aruba 303
William Kay House - Level -10 - Basement Floor	0	1	0	1	1	0	0
William Kay House - Level 00 - Ground Floor	0	1	0	1	1	0	0
William Kay House - Level 10 - First Floor	0	4	0	4	4	0	0
William Kay House - Level 20 - Second Floor	0	4	0	4	4	0	0
Total	0	10	0	10	10	0	0

The total new AP Hardware may not match the total numbers under each heading (R,K,D,M,N). Do not worry, the combined total 'New AP Hardware' will match the combined total of R,M,N as this represents the new APs to be installed.

Table Key:

R= APs that require replacement in their current position

K = APs that are to be left. No work is required to these APs

D = APs that require decommissioning. The AP location is no longer required

M = APs that need to be moved from existing location to a new location

N = Brand new AP location

1.3 Installation Guidance Notes (Please Read)

- 1) **Please** install APs whether refreshed, moved or new, as per the floor diagrams within this pack. To support the location of AP point, photos will be presented in this pack after each floor diagram. Please note: where access was not granted, photos are unavailable to aid the installation).
- 2) **Where AP locations are marked as (D) 'decommission'** please ensure you remove this AP.
- 3) **The plotted recommended AP locations on each floor diagram are the desired install location.** Should the direct location not be available due to restrictions, please advise the project team immediately.
- 4) **The APs should** be installed/mounted as per the naming convention on page 4.
- 5) **Each data point at the AP is to be labelled** with the patching details as to the terminated cabling to the Comms room patch panel and **recorded on the floor plan.**
- 6) The additional **AP stickers** that contain the Serial number, Mac address and barcode etc are **to be attached to the floor plan and with a clear line pointing to the AP location installed to.** This enables us to identify where each actual AP is once you have installed it.
- 7) **If the AP is marked to be moved,** please where possible re-use any existing cabling should it be deemed acceptable to re-use (refer to EPM PM19). There will be occasions where a new cable(s) will need to be run.
- 8) Please ensure you complete this document fully **to enable sign off of the site.**
- 9) Please refer to EPM PM19 for cabling policy and procedures.
- 10) **There may be AP locations that require installing outside of EPM PM19 procedures.** The photos that are provided for the install will correctly identify the location that has been approved for install.

Questions should be referred to the project team if not sure.

NOTE: When carrying out a **MOVE AP** task, the original AP location will be within a 3-meter radius. Any queries in relation to a MOVE AP, please contact the project team.

2 AP Locations

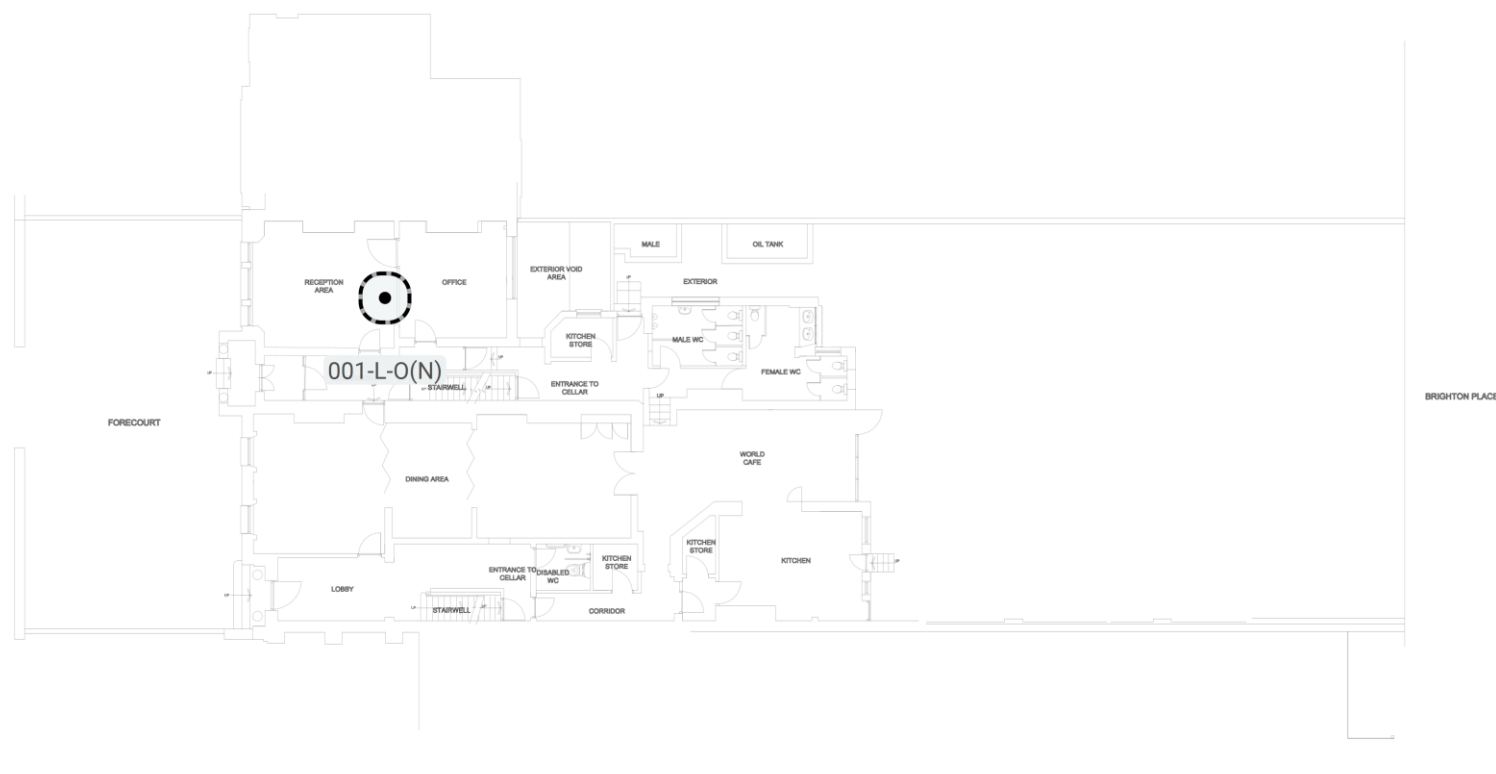
2.1 William Kay House - Level -10 - Basement Floor

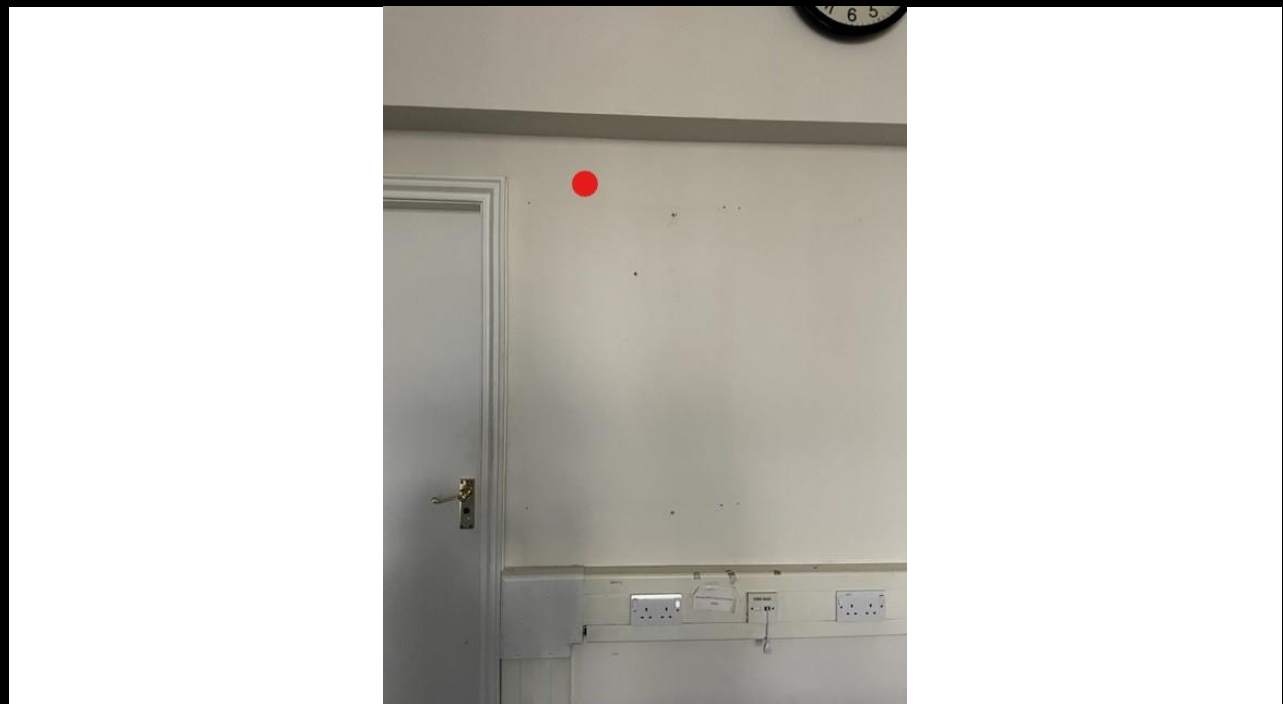


AP Name	Mounting	Location	Antenna Type
-101-L-C(N)		William Kay House - Level - 10 - Basement Floor	Internal

3 AP Locations

3.1 William Kay House - Level 00 - Ground Floor

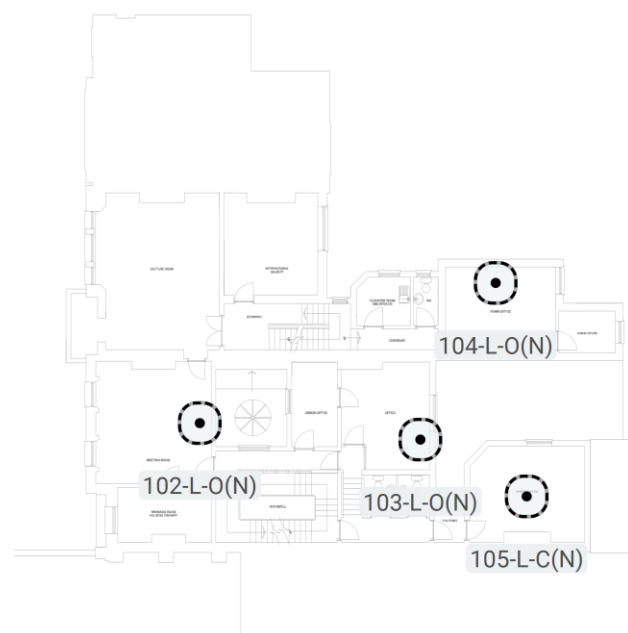


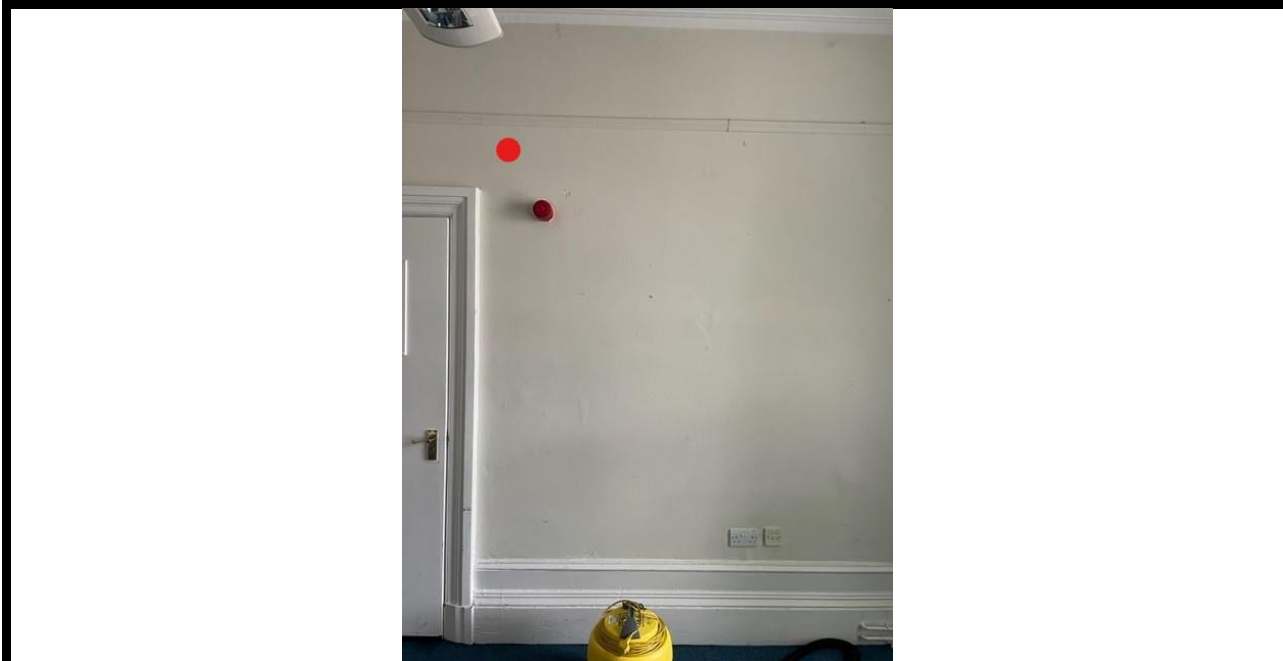


AP Name	Mounting	Location	Antenna Type
001-L-O(N)	Use existing data port that is not currently in use.	William Kay House - Level 00 - Ground Floor	Internal

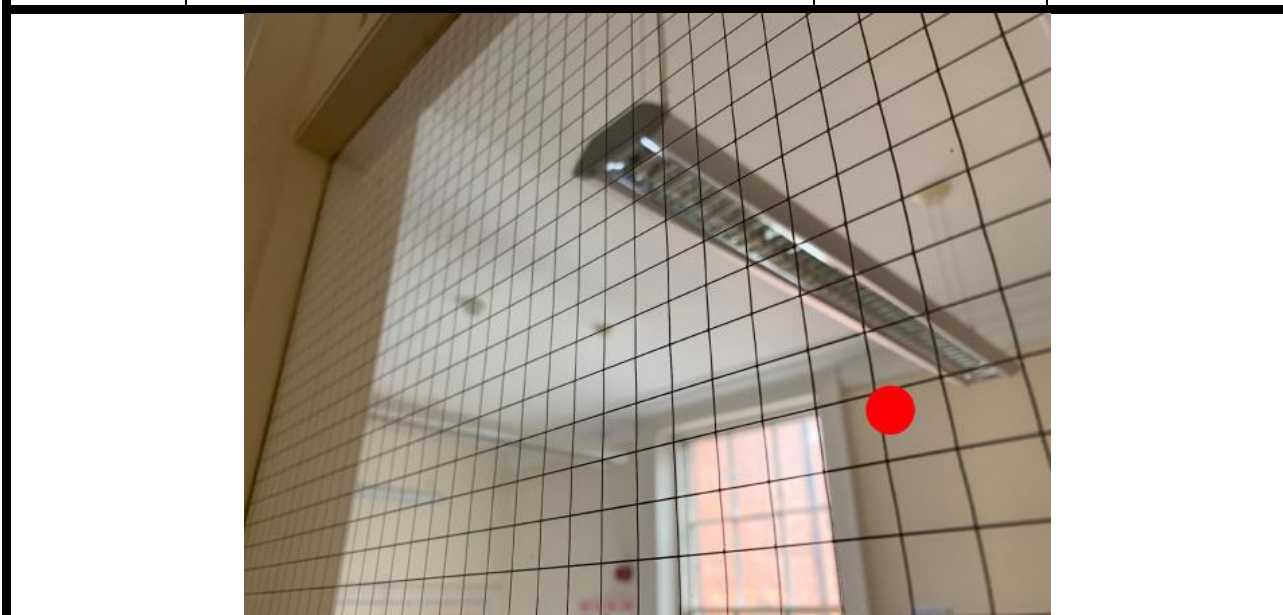
4 AP Locations

4.1 William Kay House - Level 10 - First Floor

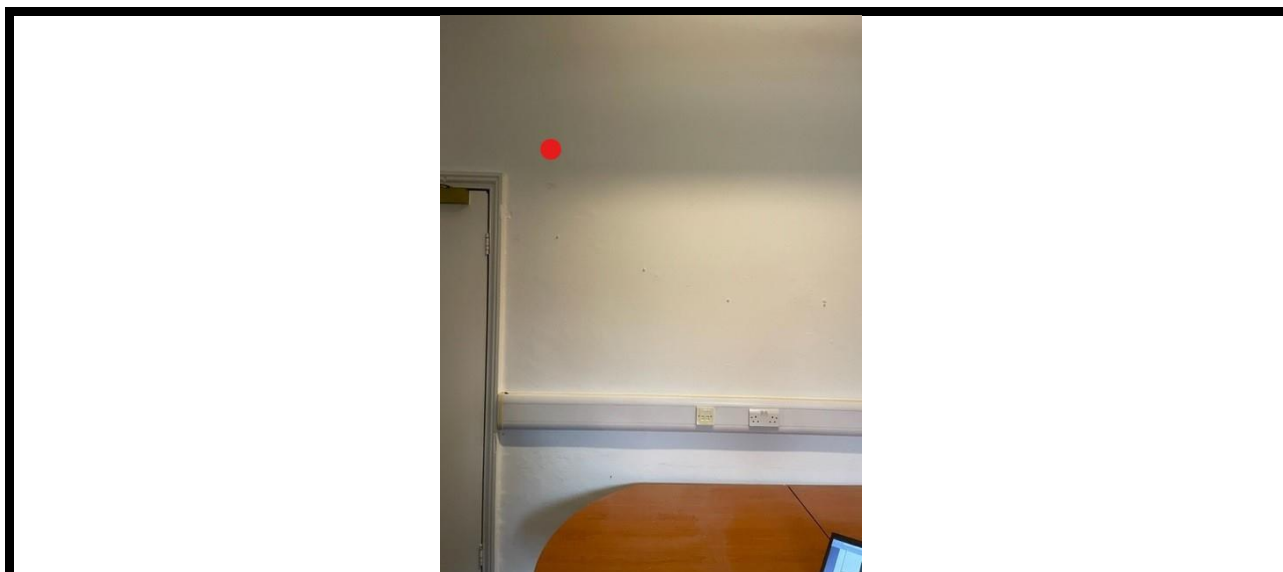




AP Name	Mounting	Location	Antenna Type
102-L-O(N)	Use existing data port and mount on wall near existing services.	William Kay House - Level 10 - First Floor	Internal



AP Name	Mounting	Location	Antenna Type
103-L-O(N)	Unable to gain access to room to select a different location. Pleased mount near existing services with minimal containment, use existing data port if possible.	William Kay House - Level 10 - First Floor	Internal



AP Name	Mounting	Location	Antenna Type
104-L-O(N)		William Kay House - Level 10 - First Floor	Internal



AP Name	Mounting	Location	Antenna Type
105-L-C(N)		William Kay House - Level 10 - First Floor	Internal

5 AP Locations

5.1 William Kay House - Level 20 - Second Floor





AP Name	Mounting	Location	Antenna Type
202-L-O(N)		William Kay House - Level 20 - Second Floor	Internal



AP Name	Mounting	Location	Antenna Type
204-L-O(N)		William Kay House - Level 20 - Second Floor	Internal



AP Name	Mounting	Location	Antenna Type
205-L-C(N)		William Kay House - Level 20 - Second Floor	Internal



AP Name	Mounting	Location	Antenna Type
206-L-O(N)	This is the only existing data port in the room. Wall mounted with minimal containment.	William Kay House - Level 20 - Second Floor	Internal