

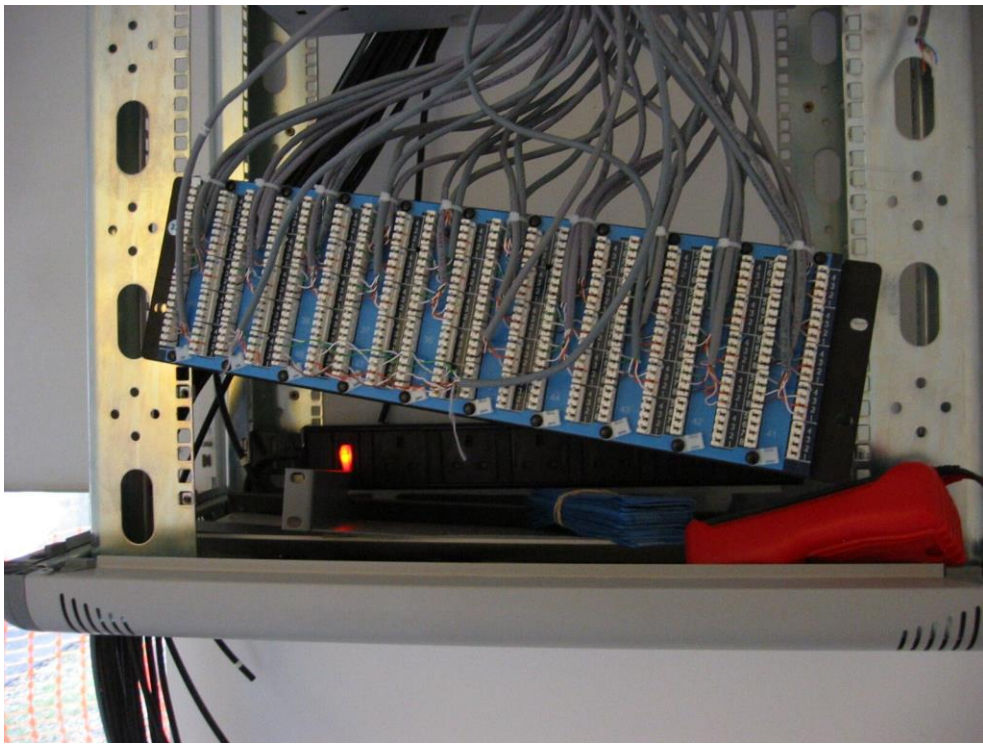
Data, Phone, RF Coax and Alarm Cabling Information

12A Newtown Road

Last updated December 2023

Notes:

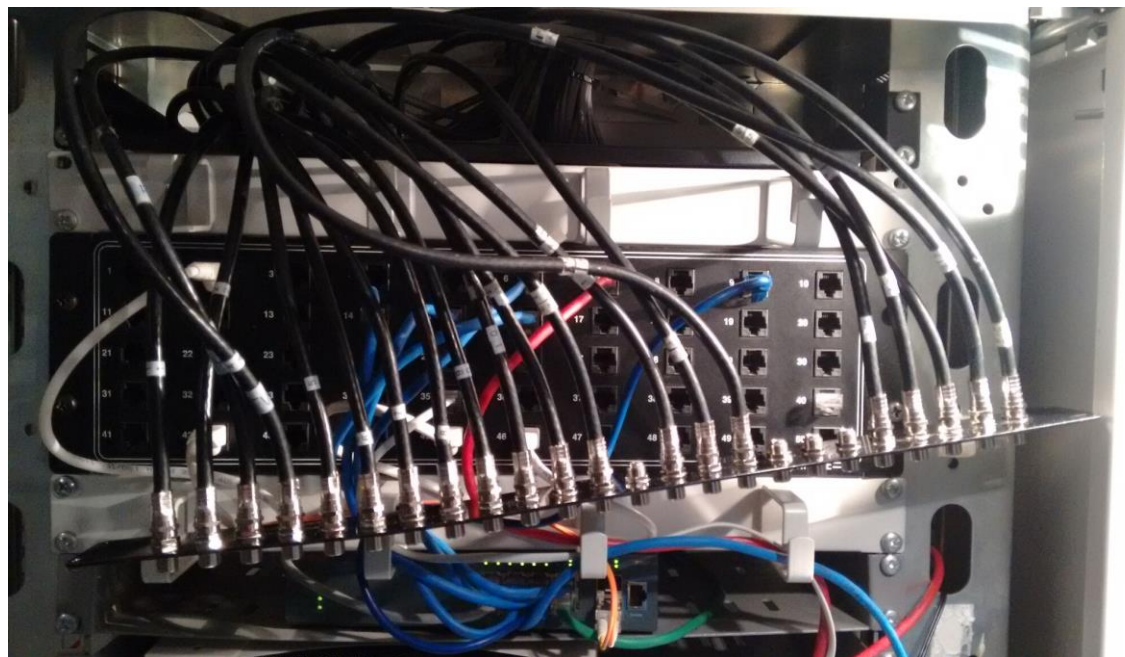
- Cabling was installed during the construction of the house June-December 2004
- All data cabling is Cat5e and was tested at installation using an Agilent Framescope 350 for compliance.
- All RF coax cable is CT100, braid and copper foil outer shield, foam core and copper inner.
- When the cabling was pulled in each cable was labelled at either end with a number/letter. Elsewhere in this document 'Cable#' refers to this label.
- The Coax cable termination to the 24-way F-connector patch panel was completed in February 2017. Up to this date only the cables in use had been fitted with screw-on F-plugs and connected directly to the RF distribution amplifier.
- The RF distribution amplifier mixes the TV and FM radio signals from the aerials onto each amplifier output. This allows a single cable to feed each TV/FM faceplate. The faceplate contains a filter that splits the signal back into TV and FM radio at the output sockets.
- Some TV/FM faceplates have two coax cables feeding into the backbox. Only ONE is connected. See previous note above.
- The incoming telephone line terminates at a BT master socket in the roof space directly above the loft hatch access. There is an ADSL filter here and separate phone and broadband signals are fed through two CAT5e cables from the roof to the patch panel in the Comms Rack.
- n/c means 'not connected'
- xDSL is cable/connection carrying a broadband Internet signal like ADSL / ADSL2 / VDSL / VDSL2. As of 2017 it was BT supplied FTTC VDSL2



November 2004



February 2017



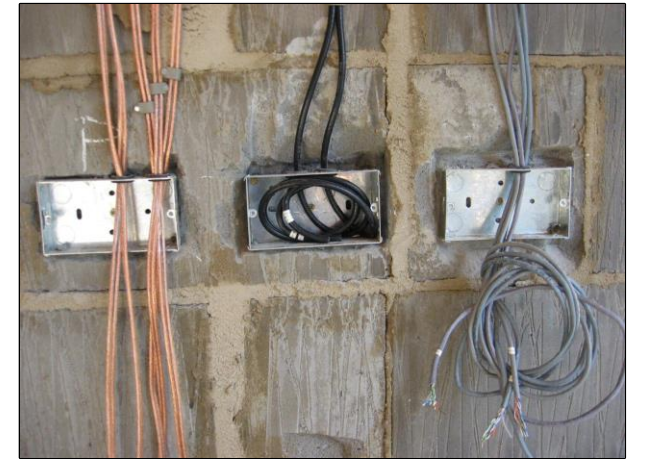
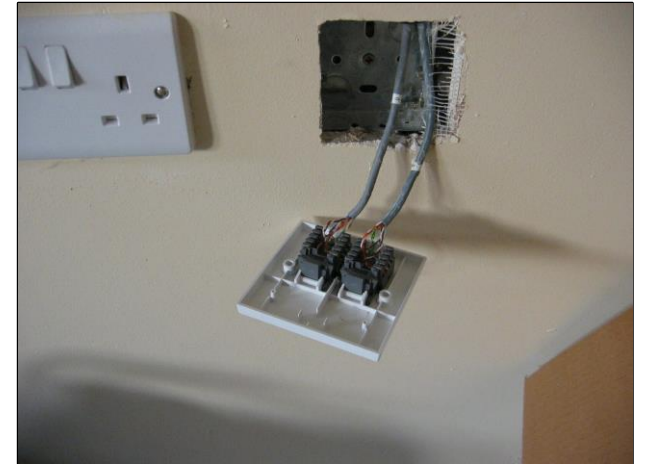
February 2017



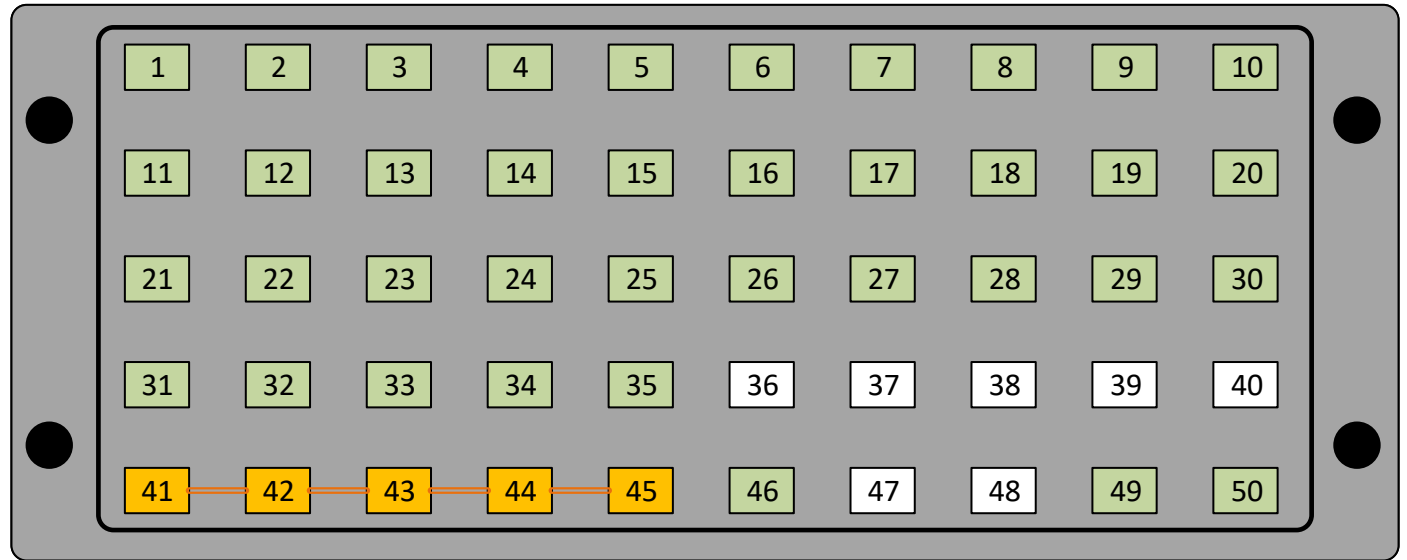
Cabling feeding from garage up to roof space



Cabling at the data cabinet location in garage



Patch Panel	Cable#	Location
1	16	Landing
2	26	Kitchen
3	27	Kitchen
4	9	Breakfast bar
5	10	Breakfast bar
6	14	Lounge (back right)
7	15	Lounge (back right)
8	23	Lounge (front right)
9	24	Lounge (front right)
10	17	Lounge (left)
11	18	Lounge (left)
12	19	Lounge (left)
13	20	Lounge (left)
14	21	Office/Study
15	22	Office/Study
16	1	Bedroom (left)
17	2	Bedroom (left)
18	3	Bedroom (left)
19	4	Bedroom (left)
20	5	Bedroom (right inside)
21	6	Bedroom (right inside)
22	7	Bedroom (right outside)
23	8	Bedroom (right outside)
24	25	Under stair cupboard
25	28	Garage outside wall
26	29	Garage outside wall
27-28-29-30		Garage inside wall
31-32-33-34		Garage inside wall
35	11	Roof
46	12	Roof
49	F	Bedroom Satellite Plate
50	37	Lounge Satellite Plate



Telephone and Broadband

The incoming telephone cable terminates at a BT master socket in the roof just above the loft access hatch.

The patch panel outlets 41-42-43-44-45 are wired together in parallel.

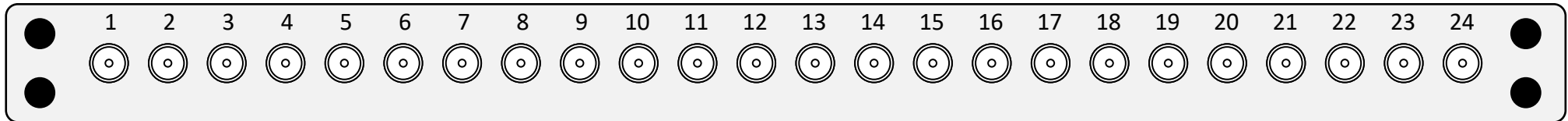
Outlets 41,42,43 and 44 can be cross patched to any room data outlet for the connection of up to four telephones. You will need a suitable RJ45 to 431A/631A socket adapter to connect a standard telephone plug

Key

26	data
45	linked
47	n/c

Coax cable termination patch panel

CT100 RF cabling

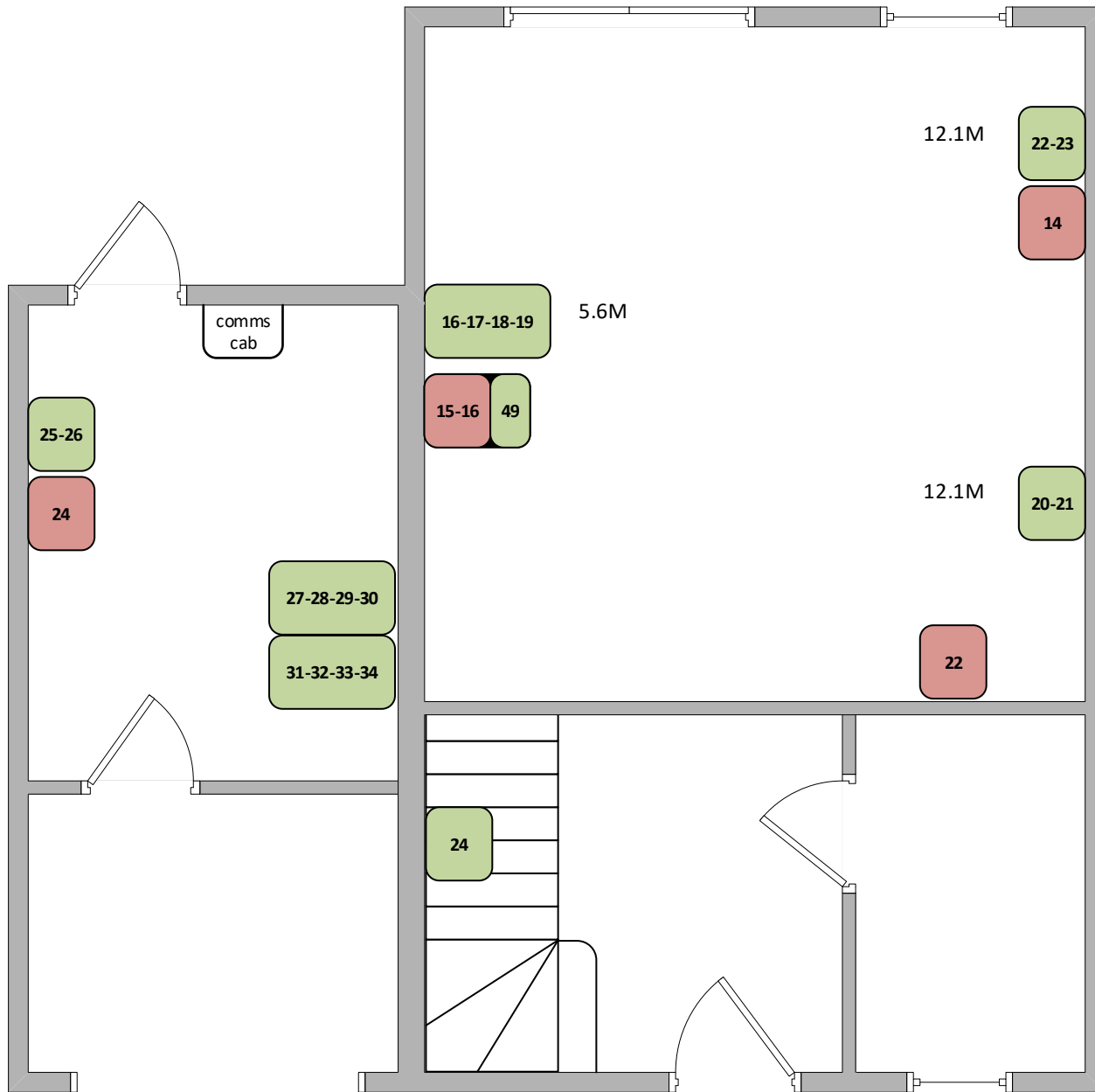


Patch panel	Cable#	Location	Patch panel	Cable #	Location
1	1	Satellite feed (roof outside) n/c	13	none	
2	2	Satellite feed (roof outside) n/c	14	14	Bedroom, far corner (TV/FM)
3	3	Aerial down lead FM Radio (roof)	15	15	[Bedroom (garage wall)
4	4	Aerial down lead TV (roof)	16	16	
5	5	Spare (roof) n/c	17	none	
6	6	Spare (roof) n/c	18	none	
7	7	[Breakfast bar, back of cupboard (n/c)	19	none	
8	8	[Breakfast bar, in back of cupboard (TV/FM)	20	42	Study/office (TV/FM)
9	9	[Lounge (left wall satellite)	21	43	Lounge, right, far corner (TV/FM)
10	10	[Lounge (left wall satellite)	22	55	Bedroom, bathroom wall (TV/FM)
11	11	[Lounge (left wall TV/FM)	23	77	from Alarm Bell Box n/c
12	12	[Lounge (left wall TV/FM)	24	99	Garage, outside wall (TV/FM)

- Where a wall face plates uses a TV/FM splitter only one cable is connected from the patch panel. The other cable is unconnected in the back box.
- [Indicates two cables feeding into one back box
- n/c indicates cable is not connected at the far end (so don't patch it)

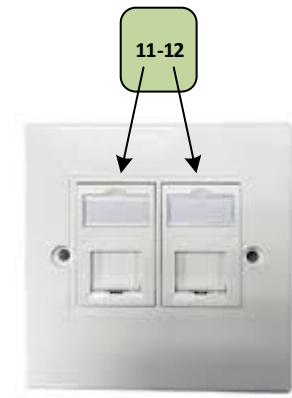
Data and Coax Outlet Locations

Ground Floor



Key

- 11-12** Data
patch panel number(s)
- (7)8** RF Coax
Patch panel number
(7) not connected
8 connected

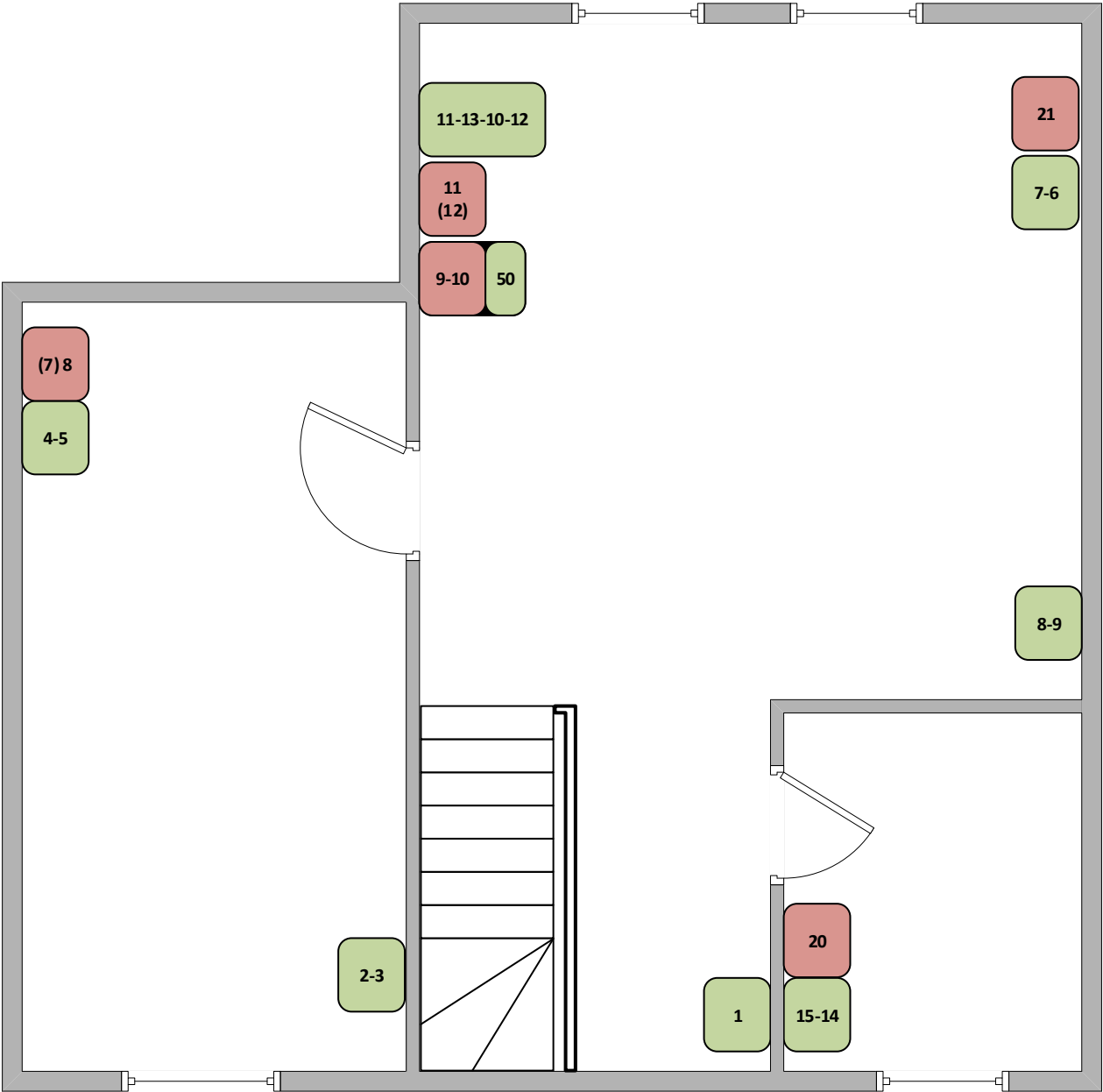


When viewed from the front the outlet numbers on the plan are the same order as the outlets on the faceplate.



Do Not Scale

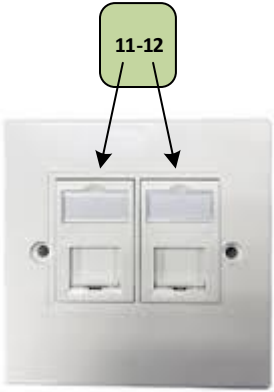
Data and Coax Outlet Locations

1st Floor



Key

-  Data
patch panel number
-  RF Coax
Patch panel number
(7) not connected
8 connected

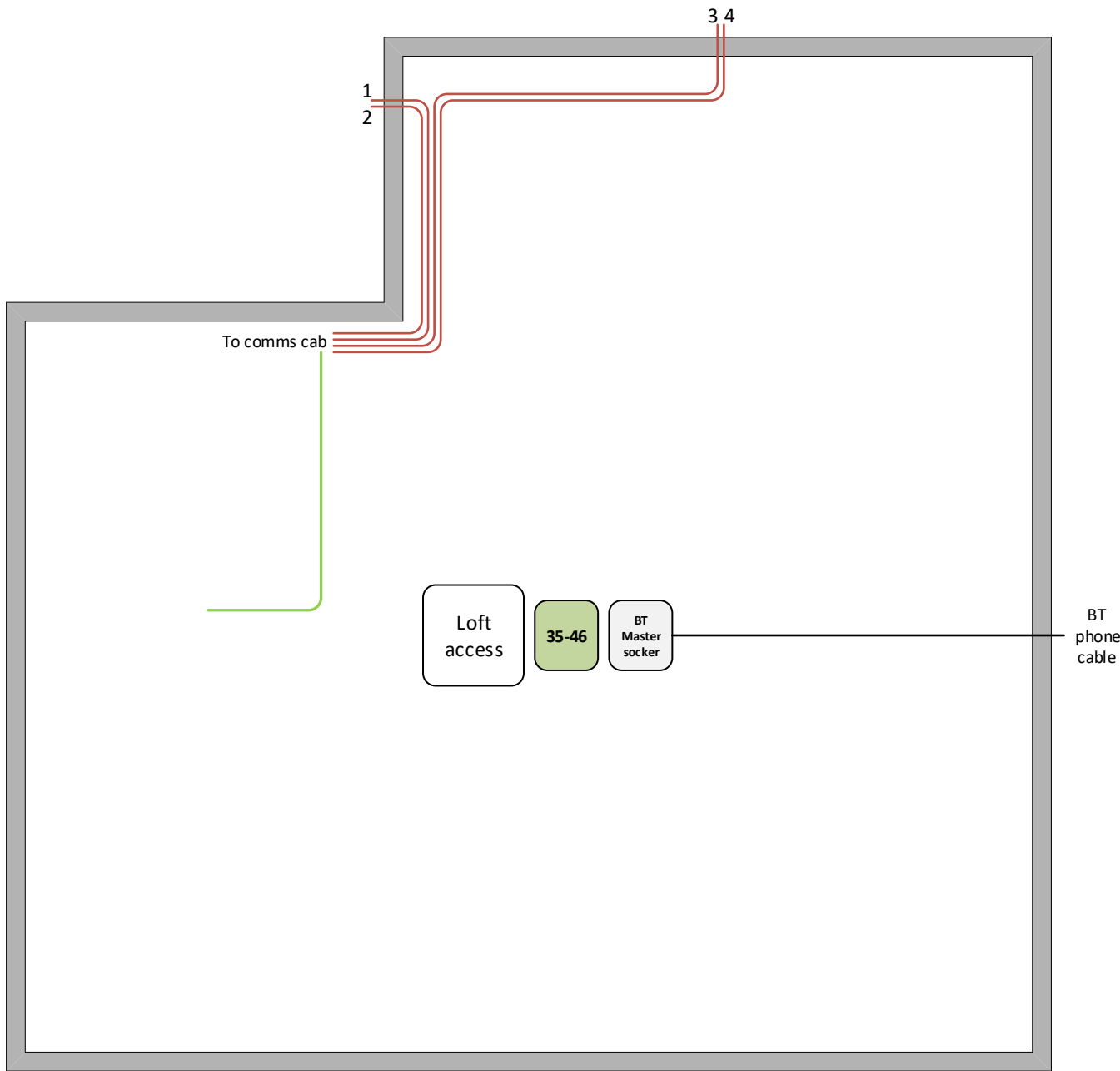


When viewed from the front the outlet numbers on the plan are the same order as the outlets on the faceplate.

Do Not Scale

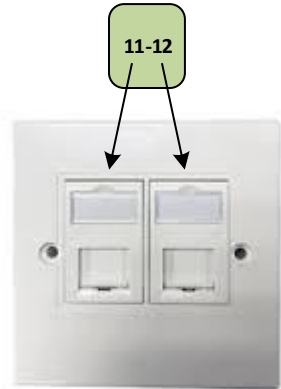
Data and Coax Outlet Locations

Loft space



Key

- 11-12** Data
patch panel number
- (7)8** RF Coax
Patch panel number
(7) not connected
8 connected



When viewed the from front the outlet numbers on the plan are the same order as the outlets on the faceplate.

Do Not Scale

Alarm Panel**Bell**

D	A	Red	12 volt
B	B	White	-ve activate bell
T	C	Yellow	-ve removed on tamper
A	D	Black	0 volt
-strobe	S	Blue	-ve activate strobe

Alarm

- 1 Garage door (back)
- 2 Garage door (front)
- 3 PIR bedroom
- 4 Keypad
- 5 Front door
- 6 PIR landing
- 7 Bell box (not marked)

Keypad

Black	0 volts
Red	12 volts
White	Comms
Blue	Sound
Yellow	Tamper
Green	Tamper

PIR

Black	0 volts
Red	12 volts
White	Alarm
Blue	Alarm
Yellow	Tamper
Green	Tamper