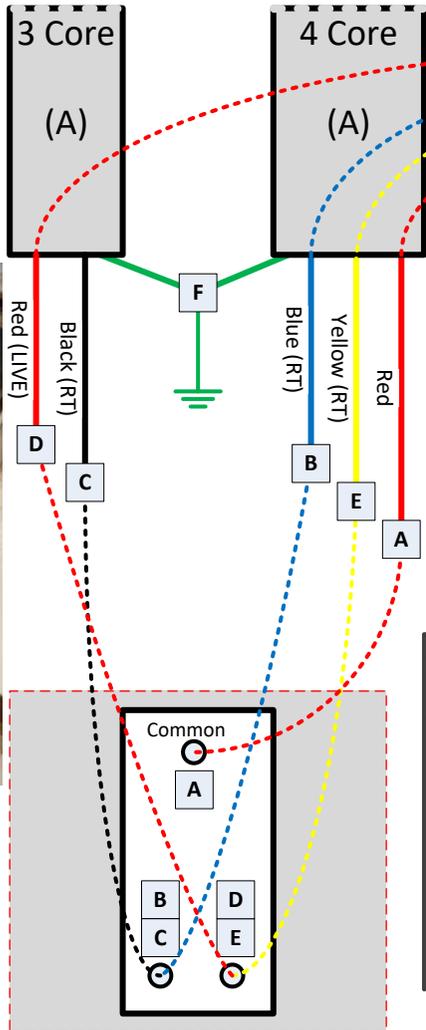
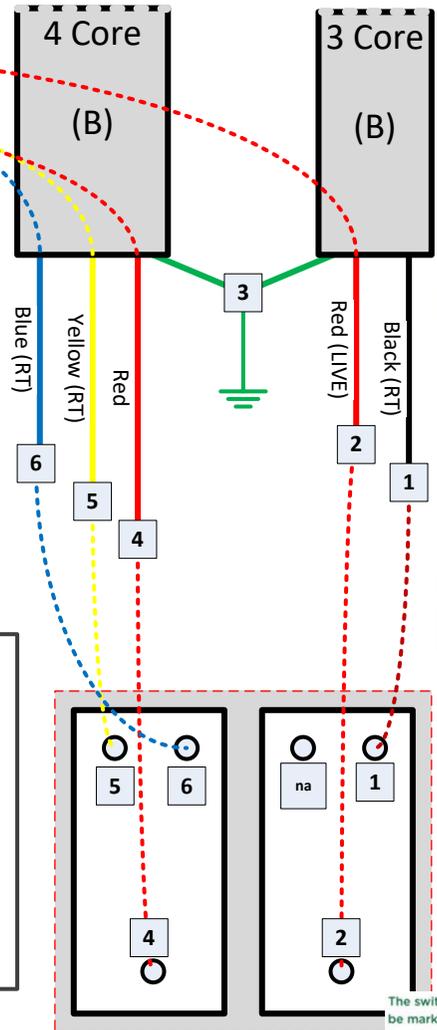


1 – Figuring it out and planning

Left Side (Dining Light) Single switch layout



Right Side (Kitchen Light) Double switch layout



Supply

Continuity tests between labelled wires confirms these connections

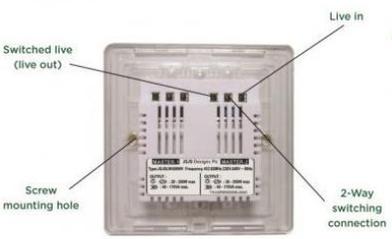


Existing SW-A

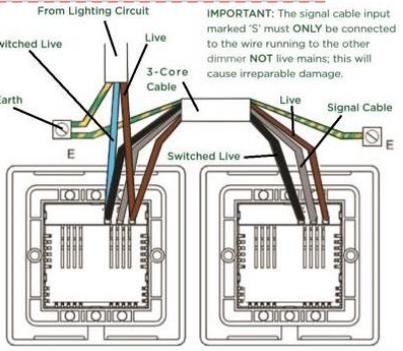


Existing SW-B

- Notes:**
- Cable core numbers include earth wire
 - RT = 'Red Tip' where it has a red sleeve on the wire
 - Wires D & 2 tested as live (Under safe conditions - I'm still alive! 😊)
 - Continuity tests conducted with wiring disconnected from switches
 - Switch connectivity views are from the front, not the back



Rear view of the LW420 looks like this. (Colours vary is all it seems.) LW450 is the same, but with no connection options on the left side.

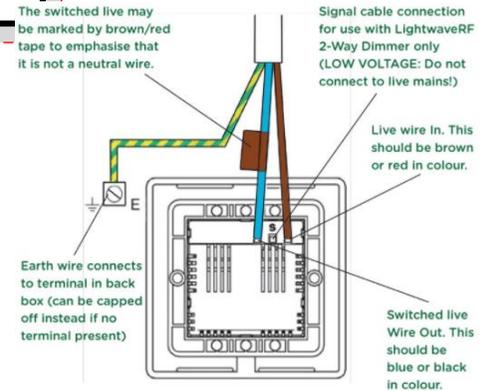


IMPORTANT: The signal cable input marked 'S' must ONLY be connected to the wire running to the other dimmer NOT live mains; this will cause irreparable damage.

The diagram here, comes with the LW450 2-Way Dimmer (1 gang)



This diagram comes with the LW420 Dimmer (2 gang)



The switched live may be marked by brown/red tape to emphasise that it is not a neutral wire.

Signal cable connection for use with LightwaveRF 2-Way Dimmer only (LOW VOLTAGE: Do not connect to live mains!)

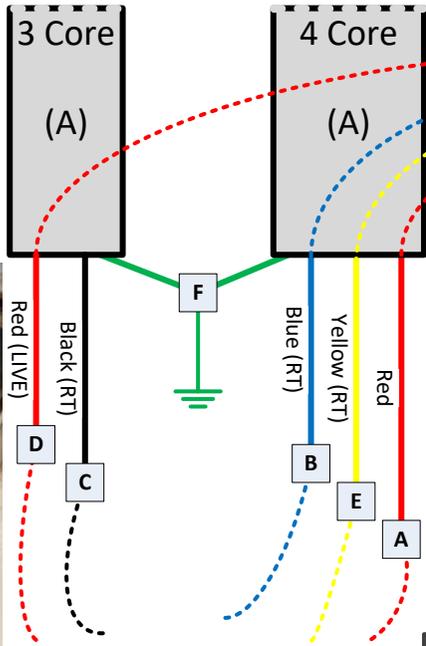
Live wire in. This should be brown or red in colour.

Switched live Wire Out. This should be blue or black in colour.

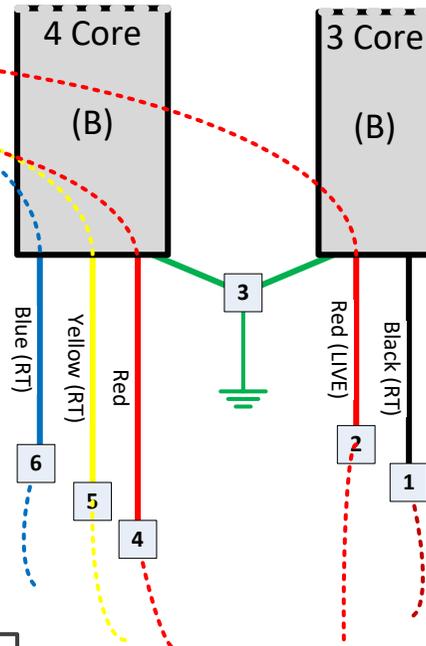
Earth wire connects to terminal in back box (can be capped off instead if no terminal present)

2 - Updated with new switches

**Left Side (Dining Light)
Single switch layout**



**Right Side (Kitchen Light)
Double switch layout**

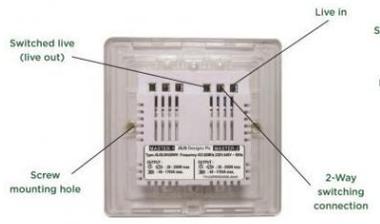
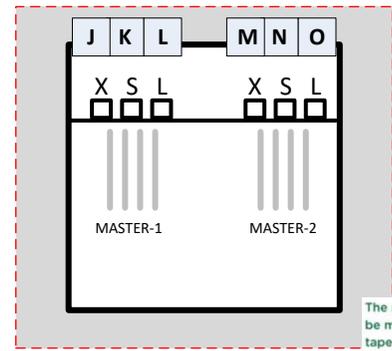
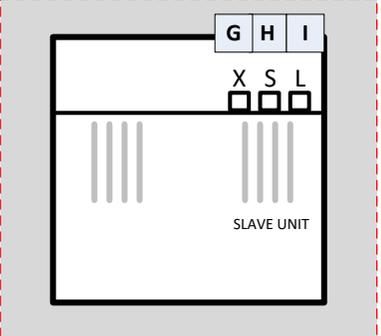


Supply

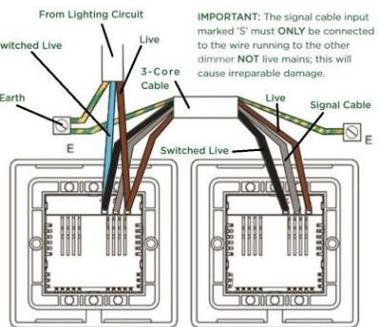
Continuity tests between labelled wires confirms these connections



- Notes:**
- Cable core numbers include earth wire
 - RT = 'Red Tip' where it has a red sleeve on the wire. Line(Live) (Thanks EFLimpudence)
 - Switch connectivity **views for new switches are from the back** this time
 - X on the switches indicate 'Switched live wire out.. should be blue or black'
 - S indicates 'Signal cable connection' 'Do not install a LIVE or "X" wire'
 - L indicates 'Live wire in.. Should be red or brown'
 - MASTER-2 is closest to the SLAVE UNIT which it should control
 - Label points added G to O



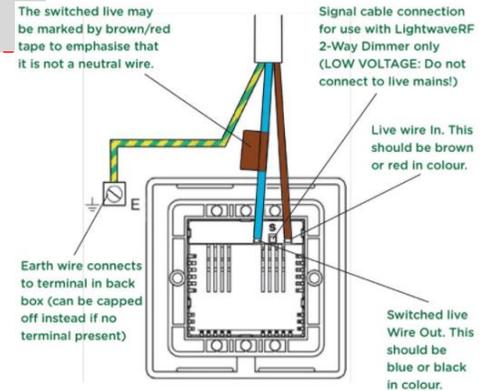
Rear view of the LW420 looks like this. (Colours vary is all it seems.) LW450 is the same, but with no connection options on the left side.



The diagram here, comes with the LW450 2-Way Dimmer (1 gang)



This diagram comes with the LW420 Dimmer (2 gang)



The switched live may be marked by brown/red tape to emphasise that it is not a neutral wire.

Signal cable connection for use with LightwaveRF 2-Way Dimmer only (LOW VOLTAGE: Do not connect to live mains!)

Live wire in. This should be brown or red in colour.

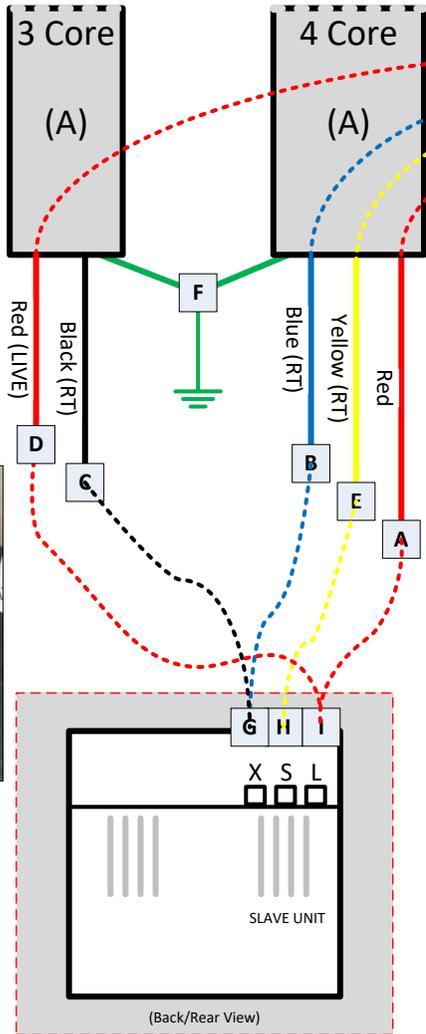
Switched live Wire Out. This should be blue or black in colour.

Earth wire connects to terminal in back box (can be capped off instead if no terminal present)

3 - Installed & working



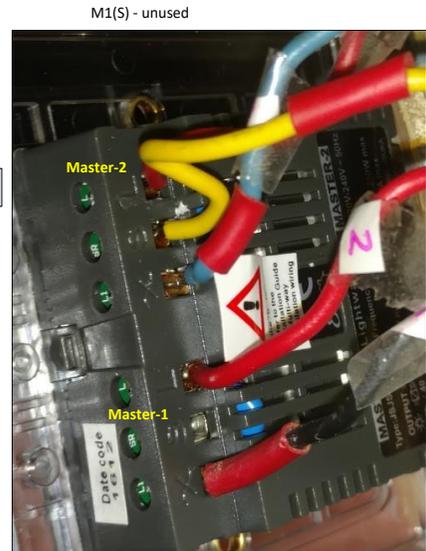
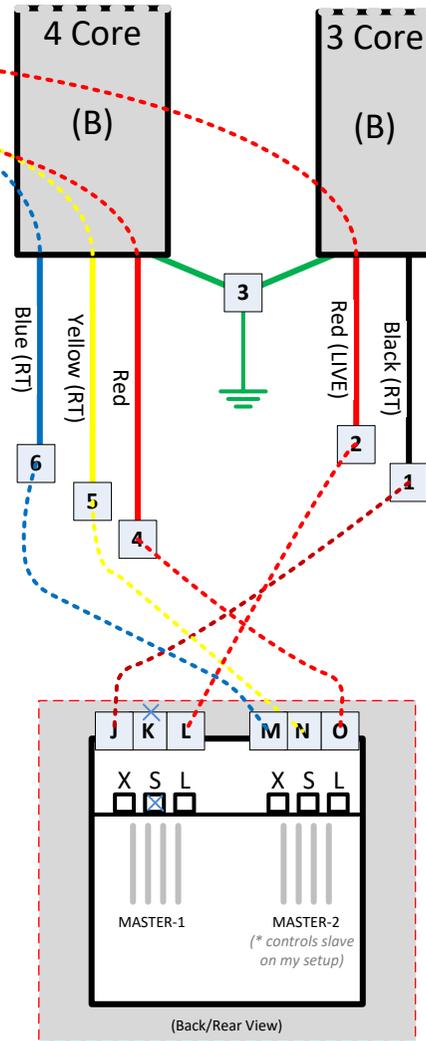
Left Side (Dining Light) Single switch layout



Slave unit

(Back/Rear View)

Right Side (Kitchen Light) Double switch layout



M1(S) - unused

(Back/Rear View)

Notes:

- Cable core numbers include earth wire
- RT = 'Red Tip' where it has a red sleeve on the wire. Line(Live) (Thanks EFLImpudence)
- Switch connectivity **views for new switches are from the back**
- X on the switches indicate 'Switched live wire out.. should be blue or black'
- S indicates 'Signal cable connection' 'Do not install a LIVE or "X" wire'
- L indicates 'Live wire in.. Should be red or brown'
- MASTER-2 is closest to the SLAVE UNIT on my layout which it should control
- **Thanks to the guys on diynot.com for providing valued input and advice!** (And for not just advising me to get a 'leccy in.)

Disclaimer:

- This process from start to finish was for me and my own understanding.
- I plan to replace similar switch setups in other areas in the house, so wanted to know how to install myself. They're light switches in the end is all, and I hope this helps someone else out there in a similar boat.
- Yes, many would say get a 'leccy' in. But TBH, as much as they advertise for work, they're not that responsive as I was hoping for. And the one(s) I dealt with had not installed these before either, suggesting I may need to re-wire for it to work. When I hear those words, then I'm out. The critical part being for me if wired wrong, switches killed, thus much caution and checks from me for surety before I fired up the mains.
- **Proceed with caution, if in doubt always consult a qualified electrician. You risk killing your new switches and potentially yourself if you get it wrong. (RFC1795)**



Yay!! .. Aargh!! .. Well, it's working as planned, but I did not account for the old switch plate size being bigger. The now exposed areas around it look like sh.te now. No matter.. a job for another day to remove it all, sort the surrounding areas and replace.

