Master Wall Switches.
1G switch, 2G switch, 4G switch and 6G switch versions

Wiring Diagram

RETROFIT Installation:
MOST Australian homes do not have a Neutral at wall switch, if it DOES NOT you will need to change the SWITCHED wire that used to be wired to the light in the roof to a Constant Neutral.
1: Wire the Red wire to Constant Active
2: Wire the Black wire to Constant Neutral
3: Wire the White Load wire to light Active switched. Max 250W

NOTE:
2 x wires will be at switch – RED and WHITE (switch wire)
Take the WHITE wire and fit a “BLACK” sleave, over the white (switch wire)
At the opposite end of white wire, probably in roof, also place a “BLACK” sleave over the wire
You now have ACTIVE and NEUTRAL at the UPB switch plate

If you place a UPB In-Line Dimmer Module at the beginning of the lighting run, you can now “LINK” the new Wall mount UPB switch (2 x wires Active and Neutral,you just installed) to the In-Line module, to operate the lights.

After Power up, the ON LEDs will flash a few times.

Terms Used:
Snap On or OFF means instant switch ON 100% of OFF 0%.
Dimming to a set (and stored) light level between 1 and 100%
Fade Up is to slowly (soft start) dim between 0 and 100%
Fade Down is to slowly dim down between 100% and OFF.
Wall Switch button, refers to UPB compatible electronic wall plate switches.
_Fad Rate determined by your selected fad rate_

Manual LINK Mode (programming which switch button or buttons will operate a Dimmer.)
1: Make sure dimmer light is ON. Press dimmer button 5 times (quickly within 2 seconds) to set dimmer in SET UP MODE. The connected lights will flash and GREEN STATUS LED will flash.
2: Press WALL SWITCH button you want to LINK to Dimmer 5 times (quickly within 2 seconds) to enter SWITCH SETUP MODE, button will flash.
3: If LINK is established then Dimmer will flash light connected to it to acknowledge connection.
4: Double press the WALL SWITCH button (exit setup). Button will now switch light ON and OFF.
Note: Wall switch will not have full features when manually linked, the DIM level memory function will not work until dimmer link set to Last Level by Upstart software. Same procedure with 10 presses of wall switch will erase the link. (this is default procedure)

**Factory default UPB SWITCH settings.**

**Function 1:** Single switch press when OFF = Fade Up ON in 0.8 seconds (selected) to previous light level

**Function 2:** Single switch press when ON = Fade Down OFF in 0.8 seconds (selected) to previous light level

**Function 3:** Hold down when OFF = Dim Up slowly at a 0.8 second rate to desired dimmed level and memorise level for next switch ON. Note NO memory feature if manually linked.

**Function 4:** Hold down when ON = Dim Down slowly at a 0.8 second rate to desired dimmed level and memorise level for next switch ON. Note NO memory feature if manually linked.

**Function 5:** Double switch press when OFF = Snap ON

**Function 6:** Double switch press when ON = Snap OFF

**You may hear a buzzing sound when UPB DATA is being transmitter. THIS IS NORMAL**

Switches have a light blue back light when NOT ON. This is to enable you to see switch in dark room before you switch it ON. This feature can be removed in Upstart software. This feature is called “Backlight”

When switch is pressed and light is ON, Upstart program can set ON LED indicator to 5 settings 1:High (Default) 2:Medium 3:Low 4:Faint 5: Disable ON LED indicator

**Recommended Upstart and Factory settings for FULL function button.**

**Function 1:** Single switch press when OFF = Fade Up ON in 0.8 seconds (as selected) to previous light level

**Function 2:** Single switch press when ON = Fade Down OFF in 0.8 seconds to previous light level

**Function 3:** Hold down when OFF = Dim Up slowly at a 0.8 second rate to desired dimmed level

**Function 4:** Hold down when ON = Dim Down slowly at a 0.8 second rate to desired dimmed level

**Function 5:** Double switch press when OFF = Snap ON

**Function 6:** Double switch press when ON = Snap OFF

**Function 7:** When switched ON by any method, a programmable timer from 1 to 240min (4 hours) will count down and switch OFF light (optional feature).
This upstart window will help to identify which switch Upstart is programming.

**UPB SWITCH SETUP MODE** (only used to add switch to upstart program).

With a flat screwdriver find slot in bottom of switch face plate. Inset screwdriver and twist ¼ turn. Front plate can now be eased off. There are extra 2 buttons that do not line up with front plate switches and these have no LEDs in them. They are marked EL (setup) and FK (factory default). Press and hold EL button (Setup) for 3 seconds or until all LEDs start to FLASH.

**Setting UPB switch to FACTORY DEFAULT NETWORK 1 and automatically programming factory LINK’s 1 to 8**

Go to SETUP MODE first (Hold EL button for 3 secs). Then press and hold FK button (Factory Default) for 3 seconds.

**NOTE:** ONLY FACTORY DEFAULT ANY UPB DEVICE AS A LAST RESORT IF IT DOES NOT RESPOND. AFTER UNIT HAS BEEN FACTORY DEFAULTED YOU HAVE TO ADD IT AGAIN TO UPSTART AND ERASE OR MODIFY ALL CONFIGURATION AND LINKS. IF UPB SWITCH FACTORY DEFAULTED IT WILL CONTROL ANY FACTORY DEFAULTED DIMMER.

1 or 2 or 3 or 4 or 6 WAY LIGHT SWITCH SETUP
With a UPB switch you can have 1 dimmer (light) controlled by many UPB buttons located around the Home. Example 1 hall light controlled by 3 separate switches.

1: A button on front door on a 6 gang switch
2: A button in middle of hallway on a 2 gang switch
3: A button on read door on a 6 gang switch

You need to go to Upstart (can not be programmed manually) and program the same link NAME or NUMBER into 1, 2 and 3 buttons. This will make all the buttons ON LEDs switch on when light is ON when any of the 3 switches are pressed. The button ON LEDs will all switch OFF when any of the 3 buttons are pressed.

Program same link for dimmer or dimmers so all buttons are synchronized.

Note: When testing in Upstart you need to Activate LINK not switch the dimmer on.
If you have a wall switch dimmer or just want to know which buttons are linked to dimmers program this section in dimmer.